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# AC's GUIDE *To The Commodore* AMIGA

Summer '92

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389 User's Groups**

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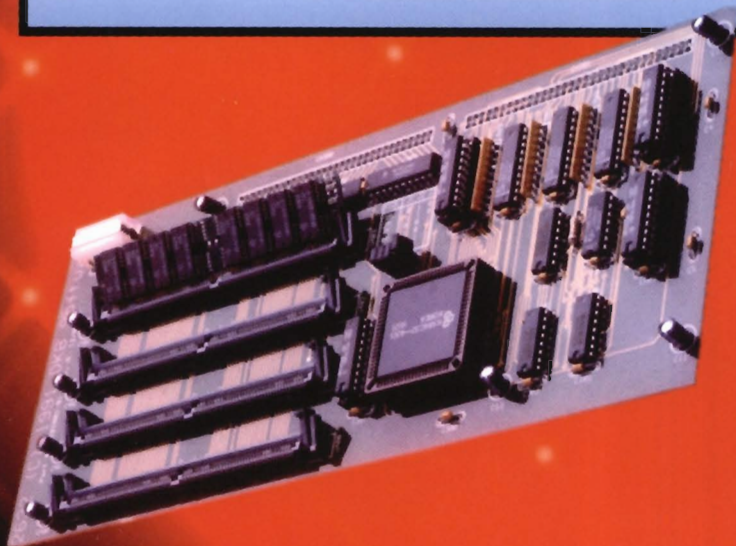


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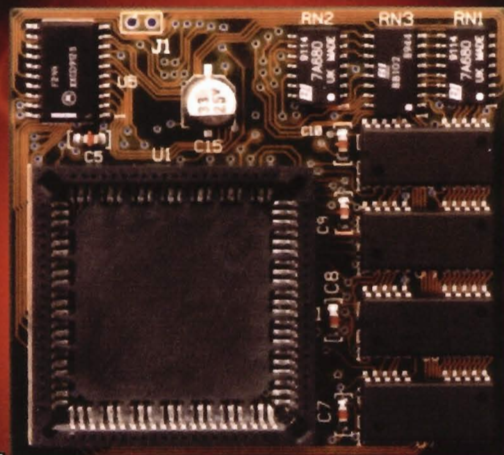
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The National Amiga Exchange or NAEX is a listing of offers to buy or sell new and used Amiga Hardware, Software, and related equipment at **Discounted Prices.**

The NAEX is available to everyone **FREE of Charge** by fax. Just dial the fax number then press the "POLL" button and you'll receive the listing!

The NAEX was created by Amiga users to promote the trade of equipment and information between Amiga users on a national basis.

The NAEX program is sponsored by DC Computer Repair who provides the equipment and support that make the listing possible.

To list Your Hardware or Software on the National Amiga Exchange just fill out the Offer Form below. For more information call us at DC Computer Rep. (703) 222-8799.

## How to make an OFFER:

Use the AC Guide to locate your product's name and category. Write your product's name and category in the blanks exactly how it appears in the AC Guide. Each OFFER listed must be an individual product as it appears in the AC Guide and NOT part of group or package. EXAMPLE: The Amiga Computer and monitor are sold by Commodore as two separate products, so they must be listed as two separate OFFERS. Professional video equipment that does not appear in the AC Guide must be offered by "MFG.-Model" on the ProductName line and a "Description" for the Category line. SUGGESTION: The AskingPrice of software offered on the NAEX could be no more than 50% of it's Suggested Retail. The AskingPrice of hardware could be no more than 60% of Suggested Retail or less than the best mail order price.

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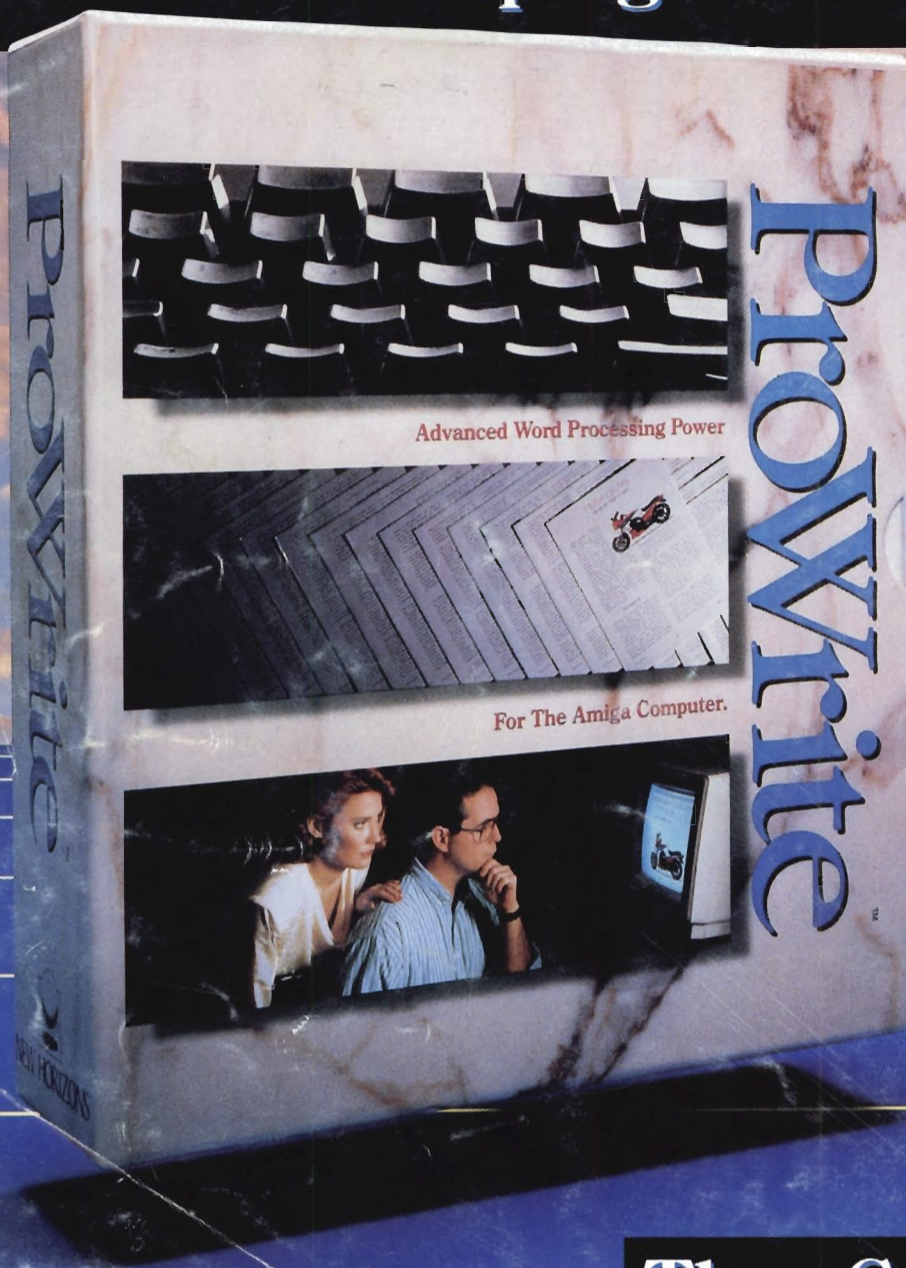
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## How to Use This Guide

The Summer 1992 edition of *AC's Guide to the Commodore Amiga* marks the steady improvement in both the size and versatility of the Amiga market. Products range from the latest games to video services.

In order to make new listings highly visible, we have highlighted each with a small diamond (◆). We've also highlighted the programs which are AmigaDOS 2.0 compatible—as reported to us by the vendor—with a small number 2 (2). Because not all manufacturers make this known, we cannot guarantee that this is a complete listing of AmigaDOS 2.0-compatible products.

You will notice that we have provided a printed row of "easy finder" tabs along the edge of the pages. These tabs are extremely helpful in showing you what section you're in at any given time and where you will find other sections in the guide.

Complete indexes of products and services are listed by the name of the products or service, as well as listed by the name of the vendor. This guide features an overall category list which makes it easier to discover which category contains a particular sub-section. The last-minute addition section lists those products and services that were reported at press time.

Be sure to check out the new Catfish Freely Redistributable Software Category Listings. Now it's easier than ever to find that FRS file.

**It Keeps Getting Even Better. . .**

As always, your feedback in constantly improving this guide is greatly appreciated. If you have any suggestions, please contact us by writing to:

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We spend hundreds of hours, mailing thousands of letters, making and receiving an almost incredible number of phone calls, and creating miles of faxes to ascertain the accuracy of our information. If you do discover an error, please send a letter to the above address. Depending on the nature of the error and degree of urgency, we'll either report it immediately in *Amazing Computing* or make changes in the next publication of this guide.

If you are a vendor and have not registered your product or service, we need to hear from you as soon as possible. There is a special Vendor/Product Registration form on page 222. Please complete it and fax or mail it immediately. It's always possible to have your new product or service mentioned in an upcoming issue of *Amazing Computing*. However, the only way to be certain that you are in the next issue of *AC's GUIDE to the Commodore Amiga* is to keep us informed.

Once again, thank you for your support and participation. It is through your continued enthusiasm that the Amiga has attained the recognition it enjoys today.

## AC's GUIDE/AMIGA

*AC's GUIDE for the Commodore Amiga*

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## ♦ ♦ ♦ GRAPHICS ARTS ♦ ♦ ♦ GENERAL

### Aegis Amiga Graphics Starter Kit

A bundle of four of the original ground-breaking software packages for the Amiga! Perfect for the Amiga beginner, this package includes Aegis Images paint program, Aegis Animator for 2-D animation, Aegis Draw for an introduction to CAD and Aegis ArtPak, a collection of clip art by Jim Sachs and Richard Labarre! Arazok's Tomb, an exciting graphic adventure with more art by Jim Sachs, is included free! \$99.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### ♦ Art Disks for Fashion

Various art disks available relating to garment and fashion design. Examples: Fashion Poses-Men, Women, or Children, \$20 each or \$45 per set. Paper Dolls-Men, Women, or Children, \$20 each or \$45 per set. Gridded Heart Designs, Gridded Ethnic Motifs, \$15 each. NTSC. Works on all Amigas in IFF file format.  
Cochenille Design Studio, P.O. Box 4276, Encinitas, CA 92023, (619) 942-1957

### ♦ Art Expression

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Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

### Digital Dungeon

Designed to replace maps and lead figures in the gaming role-playing environment. Uses 64-color digitized graphics models of terrain, objects, and entities from the past, present, and future. Features include: editable information windows, random die generator (with pipelines for results), scene editor, general initiative system, Quickdir directory system, virtual window, and EIGHT disks of digitized art. Additional graphics disks and pre-constructed popular gaming modules are planned. NTSC only. Requires 1MB RAM. \$39.95

Magic Matrix, Station A, P.O. Box 2406, Champaign, IL 61825-2406

### ♦♦ Expert 4D Junior

A 3-D modeling and animation package. The user can create complex models from a variety of primitives (planes, cubes, disks, spheres, tori, cylinders) by turning 2-D specifications into 3-D

by extrusion, rotation, or by simply 'drawing' from scratch. Objects are first created in wire frame, color is specified, and up to 10 lights can be positioned to create appropriate effects (light intensity, color, aperture, and direction are all controllable). Objects can be textured as shiny, matt, metallic, or plastic. Separate rendering module offers all resolutions for output and two rendering methods. NTSC/PAL compatible. Requires 1MB RAM for A500/A2000/A3000. AmigaDOS 1.3 or 2.0 compatible. \$35.00  
Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England, (011) 4475-368-6000

### Genesis The Third Day

This fractal landscape generator allows you to create landscapes of real locations, using authentic government data, or imaginary locations by using an easy-to-use interface. You have complete control over every aspect of this powerful creative tool. Features include landscapes of incredible complexity, control over all fractal parameters, animation capabilities through script commands for drawing a series of pictures using keyframes, placement of the observer view point anywhere in the 3-D space around the landscape, and five draw modes. Colors are adjustable for each landscape element even after the picture is drawn. Pictures are stored as standard IFF files, low-res, hi-res, HAM, and soon in true 24-bit. AREXX compatible, with special AREXX macros included. \$149.95  
MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

### Graphics Workshop V1.01

Features include a 10-brush library, gray scaling, line art generation, true anti-aliasing, true polygon generation (3-22 sides), rays, four point curves, brush masking, color replacing, rub-thru drawing, pattern library with pattern draw, automatic normal, and halfbrite shadows. Supports standard page animation, and cell animation. Using the powerful Page-Effects window, page animation integrated the brush library with 3-D perspective to allow 10-brush synchronization and timing with rotation, movement, acceleration, and fading. Other features include gradient fill, wrapping, variable speed air brush, two types of stenciling, and 3-D perspective. The upgrade, version 1.01 corrects several software bugs, improves performance, and adds several new commands. Version 1.01 is quicker and more stable than version 1.0. \$100.00  
Holosoft Technologies, 1637 East Valley Parkway, Ste. 172, Escondido, CA 92027, (619) 747-0663

### Ilene's Color Cookbook

This is a utility to assist in making color printouts. It contains 32 color lo-res files of color charts with RGB settings. These can be printed out on any Amiga supported color printer. For use as a guide in approximating colors on the monitor or other specific color samples. Just load into the paint program you print from. \$29.95  
Tru-Image, P.O. Box 660, Cooper Station, New York, NY 10276, (212) 777-7609

### ♦ Mandala

This is a string art construction set. Tired of working three or four days pounding nails into boards and wrapping umpteen layers of thread around them? Mandala lets you design three basic shapes: circle, ellipse, and starburst; select and string up to 47 layers; alter the palette to select wanted colors; and save that newly created masterpiece as an IFF file for later viewing when you may feel like actually pounding nails and creating it. AmigaDOS 2.0 compatible. \$19.95  
SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810

### Materials Texture Library Vol.I-Stone Surfaces

A five-disk set of 15 high-quality stone textures suitable for 3-D image wrapping, video, and art use. Each color image measures 704x480 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 3-D, and Turbo Silver. Included are several types of marble, pebbled surfaces, and asphalt. Computer art and animation takes on a stunningly realistic look when these textures are used. \$49.95

### MicroSearch, Inc. Materials Texture Library Vol.II-Tiles

A five-disk set of 20 high-quality tile textures suitable for 3-D image wrapping, video and art use. Each color image measures 480x480 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 3D, and Turbo Silver. When used in 24-bit renderings, these HAM textures are virtually indistinguishable from 24-bit versions and don't have the storage and RAM problems found with 24-bit files. \$49.95

### MicroSearch, Inc. Materials Texture Library Vol.III-Wood Surfaces

A five-disk set of 15 high-quality wood textures suitable for 3-D image wrapping, video and art use. Each color image measures 736x482 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 3D, and Turbo Silver. Many different types of wood are included, including cork, particle board, and a butcher block finish. This is a realistic collection of wood surfaces available for the Amiga. \$49.95

### MicroSearch, Inc. PSImport™

PSImport is an extremely flexible module for Amiga artists, designers, and desktop publishers. PSImport enables importing most structured PostScript artwork from any computer into viewable and editable ProVector (IFF-DR2D) drawings. PSImport can also translate PostScript Type 1 fonts into ProVector (IFF-OFNT) format. This module offers ProVector users access to an incredible amount of EPS clip art and Type 1 fonts from Macintosh, MS-DOS, and other computer platforms. Requires ProVector 2.1 or higher, 1MB total RAM, AmigaDOS 1.3 or higher, and at least one disk drive. If importing drawings or fonts originating from non-Amiga platforms, user must first transfer files to an Amiga-readable disk using modem or transfer utility such as Cross-DOS. \$89.95

Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522, (303) 484-7321

### ♦ ProVector 2.1

ProVector is an extremely fast and flexible object-oriented drawing program with a unique user-friendly interface. ProVector is fully multitasking and allows multiple drawings to be loaded/created simultaneously for easy cutting and pasting of objects. ProVector features a fast and accurate free-hand tool as well as bezier curve, regular and irregular polygon tools for both smooth and straight-line polygons. Other features include user configurable UNDO (up to 255 steps), extremely flexible object alignment, rulers, text-to-path, user editable color fill patterns, grid-snap and much more. ProVector is completely user-configurable, offers keyboard shortcuts for most operations and includes a user selectable measurement system (Inches, Pica, Centimeters) as well as AREXX compatibility (several useful AREXX macros are included). Requires 1MB of total RAM, AmigaDOS 1.3 or higher, a minimum of one disk drive. AmigaDOS 2.0 compatible. \$299.95  
Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522, (303) 484-7321

### RaceTrace

RaceTrace is a sophisticated, high speed program that automatically detects the vectors of bitmapped images either in monochrome or color. RaceTrace is a program that allows you to transform bitmapped pictures into vector-oriented formats. Load a picture from disk, vectorize it, and edit it to suit your needs. Then save it to disk, choosing from a variety of formats. It also converts the original color of the bitmap to the desired vector format. Save the result to disk in any of the following formats: Sculpt, RaceTrace format, HPGL, Postscript, Digiwords 3D, Professional Draw clip, Real 3D polygons, and Real 3D polyhedrons. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988. \$199.00  
Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooit, The Netherlands, (011) 312-0691-1914

### ♦ Sign Engine

Sign Engine is a high level signage delivery system providing complete control over all aspects of vinyl sign production for professional sign makers. Structured drawings are imported and manipulated for output to sign cutting plotters. Features include auto-paging, interactive auto-

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# Graphic Arts

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tiling, outline/inline, selective layer cutting, background output, adjustable trailing blade compensation, and multiple copies. Direct file support for all Amiga-structured drawing packages allows for infinite creative signage possibilities. Imports and cuts ProDraw Clips, ProVector DR2D, DesignWorks Draw, Art Expression DR2D, as well as HPGL-DM/PL plot files from any platform. Sign Engine works on all Amigas and is AmigaDOS 1.3 and 2.0 compatible.  
*Parallel Motion Graphics, Inc., 10 Stewart Court, Ste. 78, Orangeville, Ontario, Canada L9W 3Z9, (519) 942-8822*

## SpectrumFX™

A sound spectrum analyzer and display maker. See instant harmonic spectrums from any sound source (FFT). Graph in 3-D any viewpoint to see spectrum dynamics over time. NTSC/PAL. \$29.95  
*Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448*

## ● SpiralMaster

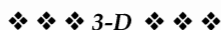
A computer implementation of Kenner's Spirograph. This program allows up to 20 layers to be constructed on the screen at a time. Unique user interface allows easy setting of all relevant factors with editing and saving of finished designs in IFF format. Both inside and outside wheels may have up to 999 teeth. Up to eight user-definable colors on the screen at a time. You have to see it to believe it! AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## Video Textures and Backgrounds

Three full disks of various textures that can be used in any IFF compatible paint program, 3-D rendering and animation programs, as fills for Fonts, or as backgrounds for video and tiling. Included are many color patterns and styles of wood textures, stones, plants, interior design, and other real world items. The palettes of these images are not fixed and can be changed in any paint program if necessary. \$24.95  
*Take Four Productions, 11396 Camarosa Circle, San Diego, CA 92126*

## World 3D

An interactive graphic editor for use with the shareware DBW\_Render ray tracer. Features include the ability to save and create individual objects and construct a library of commonly used shapes, easily edit attributes as well as textures and global parameters, and load and use VideoScape and Sculpt-3D objects. It also sports ultra-fast Preview mode, compact code, editing via ghosting, as well as object duplication and true 3-D solid object support. World 3D runs on any Amiga and requires 1MB RAM. \$95.00  
*Lewis Stone, P.O. Box 141211, Minneapolis, MN 55414-1211*



## 3-D Vector Objects/Fonts

Growing collection of 3-D vector objects for raytracing. Forty different disks in each of three formats (T.S., Sculpt, VS), 65 new fonts and all categories of objects. Call for catalog, \$12.50 each or \$30.00 for set of three. *Commotech Computers, P.O. Box 2787, National City, CA 91951, (800) 300-AMIGA*

## 3-Demon

Universal 3-D object editor allows interactive creation and manipulation of solid objects in a single window. Compatible with VideoScape 3D, Sculpt, Silver, and Forms in Flight. Save objects as standard IFF files. \$99.95 *Mimetics Corporation, P.O. Box 1560, Cupertino, CA 95015, (408) 741-0117*

## 3D Professional

Fast 3-D polygonal-rendering software with animation facility. Create professional, stunning 3-D images in a fraction of the time it takes ray tracing software. Also creates fractal landscapes, trees, and clouds. Includes 3-D Professional Ray Tracer, a powerful software module for ray tracing images from 3D Professional and other 3-D programs. Comes with many advanced features, including distributive network ray tracing. Available free of charge to current 3-D Professional users. \$299.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## Aegis Modeler 3D

For use in animation programs. Provides flexible format for building your objects. Polygons used for creating objects may have any number of points. Use tools such as Flip, Merge, Lathe, and Extrude. Also included are Rotate, Translate, Scale, Mirror, Remap, and more. \$99.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

## Aegis Videoscape 3D with Pro/Motion

Real-time 3-D animation with many options and many applications. Use diffused or specular lighting on any object in multiple colors in any of four screen resolutions, including full overscan. Image may be saved as IFF image then used in Amiga paint programs. Includes library of objects and images. \$199.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

## C-Light

Low-priced 3-D animator and raytracing program with 3-D editor, shadows, mirror surfaces, multiple lights, and stereo-vision 3-D. \$24.95  
*Peterson Enterprises, 7 Grove Street, Haydenville, MA 01039, (413) 268-9232*

## Caligari 2

A modeler and animator employing virtual reality technology with full 2.0 Broadcast functionality. This includes single point edit, mirror, slice and sweep functions. Interactive spline-based animation module with real-time preview identical to Broadcast 2.0. Photorealistic full color renderer with texture mapping, environment mapping, shadows, transparency, Gouraud, Phong, Metal, and Environment shader with great antialiasing. Unlimited number of lights including global, local, directional and shadow casting lights. 20 to 50 times faster than ray-tracing programs and twice as fast as nearest non-ray tracing competitor. Full implementation of Broadcast 2.0 technology. Support for HAM, DCTV, and HAM-E frame buffers. NTSC/PAL. Reads and writes Videoscape, Lightwave, and Sculpt 3D object formats. Runs on all Amigas with a minimum of 2MB RAM. Support for 020/030 and floating point accelerators. \$399.00  
*Octree Software, Inc., 311 West 43rd St., Ste. 904, New York, NY 10036, (212) 262-3116*

## ◆ Caligari Broadcast 2.1

A modeler and animator employing virtual reality technology. Enhanced with brand new free form deformation module. Point editing has also been enhanced in addition to slice, sweep, and mirror functions. Interactive spline-based animation module with real-time preview is now based on quaternions. Support for single frame controllers for recording to the video tape. Photorealistic 32-bit (8 bit alpha) renderer with texture mapping, environment mapping, shadows, transparency, Gouraud, Phong, Metal and Environment shader with four levels of antialiasing. Unlimited number of lights including global, local, directional and shadowing casting lights. 20 to 50 times faster than Ray tracing programs and twice as fast as nearest non-ray tracing competitor. In addition to existing texture maps, new projection techniques supported. Support for Targa+/Vista, GVP Impact Vision 24, Harlequin, DCTV, and Firecracker HAM-E frame buffers. Slide resolution up to 8000 x 8000 pixels. Reads and writes Videoscape, Lightwave, and Sculpt 3D object formats. NTSC/PAL. Optimized to run on 68030/040 and floating point accelerators. \$1995.00  
*Octree Software, Inc., 311 West 43rd St., Ste. 904, New York, NY 10036, (212) 262-3116*

## Design 3D

Professional quality modelling package lets you model in wire frames with six line types and 16 colors, with dithering to emulate additional colors. Four views: top, side, front, and perspective; with four light sources. Axle extrusion allows for fast modelling of symmetrical objects. Works in hi-res interlace, or non-interlace. Requires 1MB and 1 drive. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## ● Draw4D-Pro

3-D video and desktop publishing, 3-D graphics and animation. Fast, direct window into 3-D space. Elegant wide angle zoom, rotation controls. Mouse, menu, gadget, keyboard support. Multitasking. Polygons of any number of sides. Power-

ful modeling/animation tools. Animation preview. Interruptable Z-buffer redraw. Saves IFF, IFF-24, DCTV, Anim, PDraw clip formats. IFF bitmap textures. Facet, Gouraud, Phong shading. Unlimited light sources that can be textured/change color and intensity. Unlimited deform levels. Eye Path. Direct DCTV support. Resolver support available. NTSC/PAL. Foreign distribution. Requires 2MB min. AmigaDOS 2.0 compatible. \$349.00  
*Adspec Programming, 467 Arch St., Salem, OH 44460, (216) 337-3325*

## ◆◆ DynaCADD 2.04

New version now includes export capabilities to the following rendering packages: Caligari, Lightwave, Imagine, Sculpt 3D, and Videoscape. DXF In/Out has been upgraded to include the layer color and style information, and a DXF In/Out 3-D option has been added. New entity type (3D Face/Solid) has been added. Other new features: hidden line removal, color PostScript option, inheritance flag for inserting figures, layer attributes, upgraded DEF export file, updated Entity Snap for snapping to 2-D solid and 3-D face corners.  
*Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2, (416) 479-1990*

## MakePath 1.0

A motion-editing tool for use with all Vista or Vista Pro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline-based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real-time editing capabilities. Simple point-and-click interface. Order direct from VRLL. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## PageRender 3D

A 3-D static image rendering and 3-D animation program. Supports stereo vision. Large and flexible object library provides tools to help you build your own object library. Four draw modes, choice of coordinate systems, scrollable display size, automatic geometric restructuring, automatic tracking; automatic script generation tools; generates ANIM files; compatible with PageFlipper Plus F/X. ARexx support. \$159.95  
*Mindware International, 57 Woodcrest, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

## Pixel 3D v2.0

A powerful 3-D object utility for the Amiga. Use Pixel 3D to convert a bitmap into a 3-D object by extruding it (giving it depth). It offers several extrusion options that give you the power to make 3-D objects quickly, easily, and accurately. Use the Data Reduction Algorithms to reduce the size of 3-D object files. Lightwave 3D users will enjoy quicker rendering times when using objects converted from other programs that use three-sided polygons. Load and save Lightwave 3-D, Imagine, 3-D Professional, Sculpt 3D, Turbo Silver, Videoscape 3D and DXF-AutoCAD (save only).  
*Axiom Software, 1221 East Center Street, Rochester, MN 55904, (507) 289-8677*

## Pro-Textures Vols. I, II, III

For those requiring high quality in their 3-D renderings, or for those rendering out to a frame buffer or other 24-bit display device, this 10-disk set is now available. Each edge of each image—tops, bottoms, and sides—matches against the edge opposite to it, resulting in virtually seamless image mapping. There is a wide selection of vibrant, full-color texture images in both hi-res 24-bit IFF and HAM format. Specifically tailored for both 3-D image wrapping and reflection mapping (Global environment mapping). Each volume \$69.95.

*Merlin's Software, Published by Amazing Computers S.E., 1441 E. Fletcher Ave., Tampa, FL 33612, (813) 977-6511*

## RayDance Ray Tracing Software

RayDance gives the artist and designer unprecedented power to create their vision in photo-



# Graphic Arts

realistic 24-bit images. RayDance uses the ray-tracing method for optimal visual quality. A powerful, command rich, scripting language gives you pinpoint control over every aspect of your virtual world. RayDance scripts can easily create natural-looking fractal trees and terrain. Other features include true image wrapping, virtual objects that make possible scenes with millions of polygons, atmospheric haze, hierarchical object control, and importation of VideoScape format objects. Requires 1MB RAM minimum, two floppy disks, additional RAM, hard disk, and 68020/030 and 881/882 strongly recommended. \$99.95  
*Radiance Software, 2715 Klein Road, San Jose, CA 95148, (408) 270-7420*

## TerraForm 1.01

TerraForm is the Vista and VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Can be used to modify any Vista or VistaPro landscape. Paint by elevation on the topographic representation map, or in the 3-D as they are being made on the topographic map. Order direct from VRLI. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ True-Color Library

Hi-res true-color 24-bit images for computer artists and designers. The professional quality textures include animal skins to scenics, quarry marble to metals, hand-blown glass to special effects. All images have been processed in full 24-bit color depth. Each is severe overscan and has been tested through waveform and vectorscope to ensure video safe colors. These images may be used for video backdrops and titling, with many 3-D design and animation programs for image mapping, and into many print layout programs. The initial launch includes five different packages for the Amiga platform. Three packages include a selection of 40 images and are available as 24-bit IFF, DCTV, or HAM formats. The other two packages are different selections with 15 images each in 24-bit IFF format. Suggested retail is from \$139.95 to \$299.95  
*Texture City, 3215 Overland Ave., #6167, Los Angeles, CA, 90034, (310) 836-9224*

## Turbo Silver 3.0

Turbo Silver 3.0 is a complete ray-tracing and solid-model rendering engine and 3-D editor to be used in the creation of photo realistic images and animations. Simple-to-use interface makes generating animations easy. Complete control of the world and camera are part of the Turbo Silver function set. \$199.95  
*Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444, (612) 425-0557*

## ◆ Virtual Reality Studio

Designed by Incentive Software, this program allows you to easily generate an entire 3-D world, then move smoothly from location to location while fully exploring the terrain around you from any angle. Objects can be created, copied, animated, and colored with 256 colors, and can be defined as sensors to detect the user's presence. Create your own adventure game, or design a house, car, or airplane down to the smallest detail. Create environments within others; walk or fly through an environment; look up, down, or around a corner. On-screen design lets you see the results of your actions as soon as you complete them. \$89.95  
*DoMark, Dist. by Accolade, 550 S. Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## ● VisionModeller 3D

Version 1.05. A full-featured 3-D modelling program which works in conjunction with XSpecs 3-D glasses from Haitex Resources. It has numerous primitive shapes including cubes, cones, spheres, and donuts, plus additional special primitives modulated donut, VanKoch snowflakes, and fractal trees. Easily create and edit points, lines, and faces. Tools allow you to extrude in any direction, spin around any axis, skin cross-sections, fillet lines, and use dynamic motion animation capability. Features read and write compatibility with Sculpt 3D/4D, Turbo Silver 3.0 and Imagine rendering programs. Requires 68020/030 processor and 68881/882 math co-processor; 1.5MB of memory. Compatible with AmigaDOS 1.3 thru 2.04. Pricing: \$100 with

printed manual, \$75 with disk-based manual. Demo disk available for \$10.00.  
*ShaderSoft, 3631 Colby S.W., Wyoming, MI 49509, (616) 531-6083*

## ◆ Vistapro 2.0

Vistapro 2.0 allows importation of more data into each picture frame than original Vistapro, greatly increasing the possible resolution of the final rendering. Oak, pine, palm, cactus, and sagebrush can be added to any scene in varying mixes and densities. Large and small buildings, roads, and sunsets can also be added. The final effect of all these functions is to produce a picture of unsurpassed realism and life. Vistapro adds direct support for DCTV, Firecracker, HAM-E, and ARexx. Contains a simple, direct animation utility with the basic program to produce an animation from the camera to the target. Wireframe preview mode is another new feature which allows a quick view of a scene. User definable foreground and background are supported. Requires 3MB; accelerator strongly recommended. Higher resolution output is possible for those having more than 3MB RAM. Vistapro 2.0 outputs in 24-bit color for Toaster, Colorburst, or Harlequin boards. \$99.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ X001: Vistapro Scapes-Mars Equatorial Region

37 degrees West to 117 degrees West; 14 degrees North to 18 degrees South. Valles Marineris, Pavonis Mons, Ascraeus Mons, Tharsis Tholus, Lunae Planum, Syria Planum, and Sinai Planum. Two-disk set, compressed; interconnected landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ❖ 3-D/CLIP ART & OBJECTS ❖

### ◆ 3D Object Files

3-D object files in Sculpt or Imagine format. Animals, household, office, music, recreation, science, sports, structures, time, transportation, more. NTSC. Requires at least 1MB. Choose only the object file you want. \$10 per object file average. SASE for object price list. \$4 demo disk.  
*Marilyn Scott, 5618 Kiwanis Pl. NE, St. Petersburg, FL 33703, (813) 522-6807*

### ◆ Anatomy Volume 1

3-D object files. Two-disk set. Sculpt format: eye cross-section, ocular muscles, spinal nerves, spinal cord section. Imagine format: skeletal arm, hand, leg, foot. Requires 2MB, more recommended. Sculpt Animate, Imagine, or compatible system to load these object files. NTSC only. Three disks, \$30 per disk, demo disk \$4.  
*Marilyn Scott, 5618 Kiwanis Pl. NE, St. Petersburg, FL 33703, (813) 522-6807*

### AniMotions

AniMotions will animate any human like object created with Sculpt Animate 4-D to execute a variety of common human movements. Create your own humanoids or use the included mannequins. Alter the movements as you wish and turn them into sequences of actions. The mannequins can also be manipulated into any posture and painted over. Sculpt Animate 4-D version \$49.95 / Turbo Silver version (operates only with enclosed mannequins) \$34.95. Requires 1MB. Tom Macri, 3575 St. Lawrence Blvd., Ste. 506, Montreal, Quebec, Canada H2X 2T7, (514) 281-8063

### Antic's 3-D Design Library™

Antic's 3-D Design Library™ is a collection of programs with 3-D objects on them that can be loaded into Videoscape 3-D; Sculpt 3-D, 4-D; Turbo Silver; Imagine; and JourneyMan as well as the Video Toaster. Antic's 3-D Design Library™ now includes the following disks (each sold separately): Human Design Disk, Architectural Design Disk, Future Design Disk, Microbot Design Disk, Interior Design Disk, Woodlands Design Disk, Space Design Disk, Vintage Aircraft Vol I—Early Air Craft, Dinosaur Design Disk, City Icons Vol I—NYC, City Icons Vol II—San Francisco, City Icons Vol III—D.C. The following disks will be available by Fall 1991: Vintage Autos Vol I—50's, Vintage Autos Vol II—30's, Whales Design Disk, Western Town Design Disk, Vintage Aircraft Vol II—Desert Storm, Locomotive Design, Vintage Ships Vol I—Clipper Ships, Undersea Life Design Disk. Each disk is \$39.95.  
*Presidio Software, 2215 Chestnut St., San Francisco, CA 94123*

## ● Archi-Pro 3D

Library of 3-D objects for architecture creation, all styles and designs with a minimum memory use. Ten diskettes, scenes and objects. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB \$110.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

## ◆ Big Rig Set

This professional 3-D accessory is a fully detailed big rig truck and trailer object set for Lightwave 3D. Consists of more than 16,000 polygons, 18 fully working wheels, trailer support, rear view mirrors, headlights and tail lights, blinkers, and more goodies for 3-D animators. Includes preset scene file designed for 'plug-n-play' use with Lightwave's load from scene option. \$49.95  
*Mach Universe, 2421 E. Ball Road, #B100, Anaheim, CA 92806, (714) 563-9542*

## ● Cabrio

Hot rod from Citroen 15/6 traction avant convertible. Nine 3-D files with wheels, body, wind screen, headlight, and seat. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB \$45.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

## ◆ Clip Art #1—Transport & Signs

This clip art can be used in all Amiga graphics programs: desktop publishers, word processors, video, art, and databases. It includes a guide to create many more images and how to use them in a variety of programs. Various sizes and styles, 800K of data—200 plus images. \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

## ◆ Clip Art #2—Human Biology

Includes Muscular/Skeletal system, the Senses, Heart, Respiration, Circulation, Teeth, Cells, Reproduction, Brain, Nervous System, Digestion, and more. Labeled drawings, unlabelled copies, size variations, drawings, schematics, processes, flow diagrams. 1.75MB of data in a two-disk set. 200+ images; images in eight shades. Can be used in all Amiga graphics-capable programs: desktop publishers, word processors, video, art, databases, etc. Includes a guide to creating many more images and how to use them in a variety of programs. \$45.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

## ◆ Clip Art #3—At Home

Everything in the home—even the kitchen sink. This clip art can be used in all Amiga graphics programs: desktop publishers, word processors, video, art, and databases. It includes a guide to create many more images and how to use them in a variety of programs. Images include plates, cups, silverware, cameras, tables, tools, lights, bookcases, and many more. 800K of data—200 plus images. Various styles and sizes. \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

## Exotic Cars Volumes I & II

A two-disk set featuring two sports car objects. One is a silver bullet modeled for American car enthusiasts. The other borrows from European designs. Perfect for film and video. Features include .SCENE files for LightWave 3D; Imagine objects load perfectly into Cycle Editor; full articulation (movable doors, windows, headlights, mirrors, and wheels); separate lamps may be illuminated; LoRam (less detailed) objects included. Bump/Color maps for instrumentation, tires, and license plates. Hints and tips for rendering and animating are also included. The Imagine version requires 2MB RAM, 3MB recommended. The LightWave 3D version requires 5MB RAM, 7MB recommended. \$49.95  
*AmiGrafix, Inc., P.O. Box 2063, Apopka, FL 32704-2063, (407) 884-9557*

## ● Ferrari F40

3-D object on the famous car of the 40th of the Ferrari firm. Five 3-D files on F40: Body-doors, frame, bonnet; Wind screen-front and back wind-

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# Graphic Arts

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shield, headlight, windows; Wheels-Ferrari rim, tires; Engine-Turbo, gear-box, silencer, radiator; Inside-steering wheel, seat, etc. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB, more recommended.  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

## Male and Female

Object design disk. Objects are highly faceted for great smoothing, shading, and texture mapping. These objects are of the same number of points and faces for easy morphing in programs like Lightwave, Imagine, and Draw4D Pro. Designs are very complete including hair, eyes, ears, and thumbs. Available formats include Sculpt 3D, Sculpt 4D, TurboSilver 3.0, Imagine, Videoscape 3D, Modeler 3D, Lightwave, Draw 4D, and Draw 4D Pro. \$34.95  
*Earthquake Productions & Publishing, 13351 Foothill Boulevard, Fontana, CA 92335, (714) 899-1800*

## Omega Face

An intelligent library for 3-D software. Omega Face is a library of 3-D objects, relative to the anatomy of the human face. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). It can be used with AmigaDOS 2.0 and on A500, 1000, 2000, 3000. AL and NTSC available. Requires 1MB. \$45.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

## ● Pack Planes WW2

3-D objects on planes of the second World War. Includes: Corsair F4U-1 Chance Vought, Mustang P-51H North American, Spitfire MK V Supermarine, Messerschmitt BF 109 E, Stuka JU 87 B Junkers, Mitsubishi A6M3 Zero, Mig 42 (anticipation), SR 71 Blackbird Lockheed. Accessory: 3-D bombs, images, information, and 3-D insignia for each plane, landing gear. Twenty-two files. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Seven diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB. \$55.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

## ◆ Polyhedra

A collection of Imagine objects for the geometric solids. Includes 9 regular polyhedra (including the 5 Platonic solids), 10 prisms and anti-prisms, 13 Archimedean solids with their duals, and 5 miscellaneous polyhedra. Requires any version of Imagine. \$25.00  
*Technical Tools, 2 S 461 Cherice Drive, Warrenville, IL 60555, (708) 393-6350*

## ● Sexy Pin Up I-IV

A series of sexy 2-D clip-art for DPaint II, III, or IV. Brush of cloths, possibility of animation. Can be used on all 2-D software. AmigaDOS 2.0 compatible. PAL or NTSC available. \$30.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

## ◆ SpaceCraft

Object design disks. Objects are highly faceted for great smoothing, shading, and texture mapping. SpaceCraft object design disks (6-10 disks depending on format) include Rockets, Engines, Fins, Solar Panels, Disk Ships, Ring Ships, Pods, Frames, Tanks, Wheels, Legs, Wings, and several Space Ships ready to fly. Available formats include Sculpt, TurboSilver, Imagine, VideoScape 3D, Modeler 3D, LightWave, and Draw 4D Pro. We ship postage paid on all prepaid orders. Please allow two weeks for personal checks. Calif. residents add 7.75% sales tax. \$39.95  
*Earthquake Productions & Publishing, 13351 Foothill Boulevard, Fontana, CA 92335, (714) 899-1800*

## TV Objects

TV Objects is a two-disk set of 3-D object files to be used with Amiga 3-D software. TV Objects features both the sculpt and Turbo Silver formats in the same package, 33 objects per format. Interesting geometric shapes include, rib-balls, rib-torus, gears, spiral columns, arrays, and many more. Great for use in surrealist raytracing, or station I.D.'s. NTSC and PAL supported. Special

version including videoscape format for \$59.95. Requires 1MB of RAM, plus 3-D graphics software. \$49.95  
*Slide City, 6474 Highway 11, Deleon Springs, FL 32130, (904) 985-1103*

## ◆ ◆ ◆ 3-D/FONTS ◆ ◆ ◆

### Aegis VideoTitrer 3D

Use VideoTitrer 3D with or without a Genlock device to turn your Amiga into a powerful titling workstation, perfect for desktop video and graphic presentations. The program includes over 20 different font styles, including outlining, drop shadows, and color gradations. Or design your own styles in the program's 'expert mode.' To display and animate your VideoTitrer screens, the presentation system, Lights/Camera/Action! has been included. Use over 40 transitions/special effects including wipes, color cycling, and dissolves with sound and animation. \$159.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### Apogee 3D Fonts

Apogee 3D Fonts are the possessor of certain unique attributes that make them ideally suited for advance 3-D graphics. They were designed with the broadcast video industry in mind, incorporating all of the necessary qualities needed for that particular application. When used with the latest software and hardware available for the Amiga, Apogee 3D fonts will produce results on par with those produced by professional graphic workstations. Our collection of 3-D fonts is rapidly growing. Please contact us for the latest availability information. \$49.95 per set of three fonts. \$49.95  
*Digital Arts, 20515 SW 114 Ct., Miami, FL 33189, (305) 378-8734*

### ◆ Bevel Fonts 3D

Ten more 3-D fonts with bevelled edges. Full international character support. Curves maintain a consistent 3 degrees between points for best possible appearance even when flying through letters. Lower resolutions also available for quicker rendering of words you don't need to get close to. Three customized versions for Lightwave 3D (True Polygons), Caligary 2 (Polygons w/Holes), and Imagine (Triangles). Hard disk required, 68020 plus recommended. \$199.95  
*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565, (510) 439-1580*

### Broadcast Fonts 3D

Imagine and Lightwave 3D versions and Caligari 2 available. Three volumes containing a total of nine complete 3-D object font sets in a variety of traditional styles. Each font set includes caps, numbers, smallcase, and punctuation symbols. Each character has been handcrafted to support phong shading for the best possible appearance no matter what the angle of view. The LightWave 3D and Caligari 2 versions are constructed of true polygons for faster rendering and have named polygon ranges for easy attribute setting of front/back and sides. \$149.95, International Character Supplement: \$99.95. Free demo disk is available. \$149.95  
*Unili Graphics, 143 Lorraine Avenue, Pittsburg, CA 94565, (510) 439-1580*

### Fancy 3D Fonts

Available in Sculpt-Animate Version or TurboSilver Version. Each version contains a two-disk set of three proportionally sized fonts called Bold, Ital, and Fanc and emulate the font sets traditionally known as Helvetica Bold, Bookman Italic, and Clarendon Medium. Each font set includes upper case, lower case, numbers (except Bold), symbols, and many international characters. Supports PAL. \$79.95  
*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720, (512) 343-9564*

### InterFont (Includes InterChange)

InterFont turns your 3-D modeling program into a video titling system. InterFont automatically generates text objects for 3-D modeling and desktop publishing programs. You select a font, enter lines of text, and InterFont creates ready-to-use 3-D objects. You control the size, extrusion, alignment, texture, and color of text objects. All InterFont text is precisely aligned in space and curves are approximated at any level of detail. Includes 20 pre-made InterFonts and an editor that makes it easy to create your own InterFonts by tracing around bitmap fonts with colorful spline curves and lines. Includes InterChange and the Sculpt, VideoScape, Professional Draw, and Aegis Draw modules. Works with all other

InterChange Plus modules, so it can create text objects in many formats. \$119.95  
*Synadesis, N9353 Benson Road, Brooklyn, WI 53521, (608) 455-1422*

### Masterpiece 3D Fonts in Interfont Format

49 fonts in Interfont Format. Using Interfont, you can quickly create text objects for 3-D programs. Converts to Videoscape, Sculpt, Aegis Draw Plus, Turbo Silver, or Pro Draw. \$99.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803*

### SpaceFonts

SpaceFonts is a 3-D library of 3-D fonts. We have 10 typeface families available. The following SpaceFonts are in Imagine, Sculpt, and Real3D format. They include Rhea—Gaudi Oversize, Umbriel—Universe, Pandora—American Typewriter, Deimos—Bauhaus Demi, Charon—Century ShB, Mimas—Eras Bold, Phobos—Helvetica, Oberon—Optima Demi, Triton—Stymei Bold, Titan—Times Roman. SpaceFonts Tool is a font utility for the SpaceFonts which allows you to alter the size, make the fonts italic or embossed in any direction or in any angle. Developed by RGB Software.  
*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914*

### Video Clipse v1—3D FONTS

Four 3-D fonts are included in separate versions for Imagine and LightWave Toaster programs. Each font character has three user-definable surfaces (front face, back face, and side). This special design allows for multi-color attributes and diverse texture mapping possibilities. Spanish characters are included. NTSC and PAL compatible, and available for foreign distributors. Requires 3-D and Imagine or LightWave programs. Fonts can be converted to other 3-D formats using Interchange from Sundsis. \$44.95  
*Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447*

## ◆ ◆ ◆ 3-D/UTILITIES ◆ ◆ ◆

### ● Aegis Pro/Motion

Designed for use with Aegis VideoScape 3-D, Pro/Motion takes all of the guess work out of motion definition. Using a simple visual interface, design complex motions with effects such as wind, gravity, and magnetism. Position light sources and cameras exactly where you want them—on the screen! Preview motions in real-time without waiting for an animation to be rendered! Workbench 2.0 compatible. \$99.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### CineLink™

CineLink™ can control high-quality digital film recorders directly from any Amiga with an A2091 or compatible disk controller. Supported film recorders include Lasergraphics, LFR/LFR Plus, and the Presentation Technologies Montage FR1. Up to 4000 lines of resolution may be output to 35mm slide, instant, 4 x 5 print and transparencies, and 16mm or 35mm bulk, pin-registered motion picture film backs. Requires 1MB. \$299.95  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

### DigiWorks 3D

This product will take digitized images, the latest in Amiga characters and clip art, or 2-D graphics from painting or image processing programs and convert them into 2-D and 3-D objects to be rendered and animated in powerful 3-D rendering programs. A fast polygon fill algorithm has been implemented along with 2-D to 3-D extrusion options so that objects will be ready to directly load and render in a 3-D rendering program. Specific tools and options include Vertex Level Editing, User-Definable Screen Colors, Freehand Drawing, Absolute and Relative Coordinate Measurements, Adjustable Tracing Accuracy, Output sizing Controls, and much more. \$129.95  
*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720, (512) 343-9564*

### Guides to the Textures for Turbo Silver SV v1.3

This is a set of seven interactive tutorials which illustrates the use of the algorithmic textures in Turbo Silver SV: Wood, Layers, Bricks, Angular, Marble, Disturbed, and Grid. A graphical interface allows the user to explore up to 16 parameters for each of the textures, viewing the effect of



# Graphic Arts

each parameter. Comments and illustrations accompany each example. Requires 1MB RAM. \$12.00  
**Computer Graphics and Illustration**, 62 Dombey Circle, Thousand Oaks, CA 91360

## InterChange Plus

A proven system for sharing objects between 3-D programs. It faithfully converts 3-D geometry, color and texture information between incompatible programs, letting you model in one program and render in another. Includes modules for reading and writing LightWave, Imagine, Turbo Silver 2.0 and 3.0, Sculpt3-D and 4-D, VideoScape 1.0 and 2.0, PAGeRender 1.0, and Forms In Flight 1.0 formats. Includes the Scale Tool, GridSnap Tool, the PointReduce Tool, the Statistics Converter, and the Surface Converter. Expandable into the future through additional modules for other formats. \$99.95  
**Syndesis**, N9353 Benson Road, Brooklyn, WI 53521, (608) 455-1422

## Lightwave Single Frame Utility

This utility gives users of the Toaster and Lightwave 3-D the ability to single frame their animations after lightwave has rendered them to the hard drive in IFF RGB format, which is a smaller file size than a framestore file. Works with many controllers on the market. \$49.95  
**Compu Animate**, 1514 E. Rosemonte Dr., Phoenix, AZ 85024, (602) 582-4462

## ◆◆ Lissa

Generates Lissajous path objects for anyone interested in 3-D modeling and sculpting in Imagine or TurboSilver. This unique class of objects can be used as flight paths for other objects, as the backbone of extruded objects, or in other ways the virtual sculptor desires. The paths are controlled by sinusoid motions over a sphere through a simple, effective interface window on the Amiga's Workbench screen. Lissa can also be controlled by ARexx, e.g., to generate series of related curves. Works with any CPU. OS 1.3 and 2.0 compatible. \$35.00  
**Technical Tools**, 2 S 461 Cherice Drive, Warrenville, IL 60555, (708) 393-6350

## RasterLink™ (formerly ImageLink)

RasterLink™ is version 3.0 of ACI's image conversion software for 24-bit color and advanced imaging. Supports Amiga, IBM PC, Macintosh, Next, Sun, and other workstations' image formats. RasterLink basic conversion modules include IFF, Caligari/Rendition, GIF, Digi-View, Macintosh PICT/PICT2, PC-Paintbrush, Raw RGB, Sun Rasterfile, Truevision Targa, TIFF, Turbo Silver, and the ACS Harlequin Framebuffer. Requires 1MB. ARexx and NTSC/PAL compatible. \$199.95  
**Active Circuits, Inc.**, 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616

## ● ScapeMaker 2.0

Converts most Amiga IFF images (320 x 200 up to 768 x 592, including lo-res, hi-res, interlace, NTSC, PAL, overscan, and HAM) into Vista digital elevation map (DEM) landscapes for 3-D rendering with Vista, VistaPro, and Scenery Animator. Converts logos, video titles, topographic maps, radar mapping images, photos, paint program graphics, and other images into 3-D landscape files up to 258 x 258 elevation points as extruded (positive height) or carved (negative depth) objects. Loads and saves landscape files in compressed format. Landscapes can also be added to one another, smoothed, scaled up to 99X. Includes full ARexx interface. AmigaDOS 1.3-2.0 compatible. \$1.50 shipping. \$39.95  
**MegameM**, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

**Please see display ad page 154.**

## TGALink™

TGALink™ is an optional module of RasterLink™ (formerly ImageLink) which adds control of 2C Bridgeboard based frame buffers from Truevision, Matrox, and Visionetics. Using TGALink™ and RasterLink™, images may be converted and displayed or rendered directly to these boards in full 24-bit color, then recorded frame by frame to video tape to produce stunning results. \$299.95  
**Active Circuits, Inc.**, 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616

## The Hot-Key Authority

The ultimate tool kit for Imagine and Turbo Silver 3.0SV users. Three selectable configuration files for Imagine: SuperFast, normal and PhotoRealistic renderings. New Hot-Keys assigned for maxi-

mum productivity. Printed and laminated Hot-Key charts for both Imagine and Turbo Silver 3.0SV. A disk filled with P.D. and shareware utilities and programs for the 3-D artist. Turbo and Imagine tip files. \$6.95  
**Tim Donley**, 4556 Whitewood Ave., Long Beach, CA 90808

## X-Kit V1.2

Two-disk set of handy and unusual graphic and 3-D utilities of all types—object editors, wire frame, modulars, ANIM utilities, etc. \$34.95  
**Commotech Computers**, P.O. Box 2787, National City, CA 91951, (800) 300-AMIGA

## ◆◆ 3-D VIDEOTITLING ◆◆

### TV GRAPHICS

TV GRAPHICS is a two-disk set video graphics background art to be used in desktop video presentations or professional video applications. Screens include marble, wood, brick, fiber, and decorative backgrounds. Also included are sets of frames for dubbing in external video sources. All screens are created in interlace overscan for direct video work. Backgrounds can be used with multi-media authoring systems, video titling, and paint software. NTSC only. \$49.95  
**Slide City**, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103

### TV GRAPHICS 2

TV GRAPHICS 2 is the latest in the TV GRAPHICS video clip art series. TV GRAPHICS 2 is a two-disk set of video background art to be used in desktop video. New screens include more marble and wood, carpet, plaster bricks, and many more. All screens are created in interlace overscan for direct video work. Backgrounds can be used with multi-media authoring systems, video titling, and paint software. NTSC only. \$49.95  
**Slide City**, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103

### Video Effects 3-D

TV Network-style 3-D perspective special effects generator for the Amiga. Creates super smooth 3-D effects using 2-D hi-res IFF pictures. The user controls each picture's 3-D path, speed, tumbles, turns, spins, and zooms, with an interactive real-time wire frame preview. The 3-D extrusion option creates 3-D solid logo from flat text. Super smooth effects playback at 60 fields/sec. \$199.95  
**InnoVision Technology**, 1933 Davis Street, Suite 238, San Leandro, CA 94577, (510) 638-8432

## ◆◆◆ ANIMATION ◆◆◆

### A Twist of Fate

More ANIMbrushes that are subject to stress on all axes, resulting in drastic dimensional aberrations. Can be combined with the 'Plato' ANIMbrushes to create some startling animation scenarios. Three disks of ANIMbrushes and free animation disk. \$39.95  
**EyeFullTower Comm. / EarFullTower Prod.**, 15 Rockydale, Bristol, VT 05443, (802) 453-4293

### Animation: Effects

Flip, scroll, fade titles, or any IFF picture. Includes specular and diffuse reflection. Has full transformations. \$49.95  
**Hash Enterprises**, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443

### Animation: Flipper

Pack a series of IFF pictures so that they animate in real time. Batch entry for cycling. A Pencil-Test program. \$29.95  
**Hash Enterprises**, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443

### Digifaces 1,2,3

Animated (ANIMbrushes) eyes, mouth, and other elements combine on screen to produce an entertaining package for Amiga users of all ages. Professional applications include use for video animation, titling, and television bumpers. Price is \$59.95 per set of three disks.  
**EyeFullTower Comm. / EarFullTower Prod.**, 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## ◆◆ DynaCADD 2.04

New version now includes export capabilities to the following rendering packages: Caligari, Lightwave, Imagine, Sculpt 3D, and Videoscape. DXF In/Out has been upgraded to include the layer color and style information, and a DXF In/Out 3-D option has been added. New entity type (3D Face/Solid). Other new features: hidden line removal, color PostScript option, inheritance flag for inserting figures, layer attributes, upgraded

DEF export file format, updated Entity Snap for snapping to 2-D solid and 3-D face corners.  
**Ditek International**, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2, (416) 479-1990

## Fantavision

Easy-to-use animation for beginners and advanced users. Features object-oriented drawing tools, digitized sound effects, tweening, and transformation. Fantavision can generate 64 intermediate animation images for every frame drawn, resulting in amazing magic motion and special effects. \$59.95  
**Wild Duck**, 979 Golf Course Drive, Suite 256, Rohnert Park, CA 94928, (707) 586-0728

## ◆ I001: Vistapro Scapes—Potpourri Selection #1

Scenes from Appalachian Trail, Maui, Southern California, and more. Individual scenes. Not contiguous! Two-disk set. \$39.95  
**Virtual Reality Laboratories, Inc.**, 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## ◆ I002: Vistapro Scapes—Potpourri Selection #2

Scenes from Yosemite, Kings Canyon, and Grand Canyon. Individual scenes. Not contiguous. Two-disk set. \$39.95  
**Virtual Reality Laboratories, Inc.**, 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## ◆ I003: Vistapro Scapes—Potpourri Selection #3

Scenes from Mt. Whitney, Mt. Shasta, and Grand Teton. Individual scenes. Not contiguous. Two-disk set. \$39.95  
**Virtual Reality Laboratories, Inc.**, 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## Imagine

Imagine is the next generation in rendering animation systems for the Amiga computer system. It is now possible to perform functions on the Amiga that have been left to much larger computer platforms. In many areas Imagine is capable of functions that are not available on these larger platforms. With the use of 24-bit rendering techniques, Amiga owners can now compete in the world of professional animations at a much lower cost than has been available to date. \$350.00  
**Impulse, Inc.**, 8416 Xerxes Avenue North, Brooklyn Park, MN 55444, (612) 425-0557

## ◆ Imagine 2.0

A complete upgrade of the Imagine program. As before, it is possible to perform functions on the Amiga that have been left to much larger computer platforms. In many areas Imagine is capable of functions that are not available on larger platforms. With the use of 24-bit rendering techniques, Amiga owners can now compete in the world of professional animations at a much lower cost. \$450.00  
**Impulse, Inc.**, 8416 Xerxes Avenue North, Brooklyn Park, MN 55444, (612) 425-0557

## ◆ L001: Vistapro Scapes—Southern California

Set includes contiguous data at 80, 160, 320, and 640 meters of the southern California area. Approx. Santa Maria North to Mexican border South, and inland to the Salton Sea. 116 degrees West to 121 degrees West and 32 degrees North to 35 degrees North. Contains approx. five times the amount of data as contained on a standard scape set. \$60.00  
**Virtual Reality Laboratories, Inc.**, 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline-based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real-time editing capabilities. Simple point-and-click interface. Order direct from VRLI. \$39.95  
**Virtual Reality Laboratories, Inc.**, 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

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**Mandala® Virtual World Authoring Software**  
Vivid's Mandala® VR System is a unique multimedia virtual world technology which pulls your image into the computer using a real time video digitizer and camera, giving you hands-free interactive control of multilevel, multistate animations that you view on any video display. You don't have to wear, touch, or hold anything. Just reach out and, through 'video gesture,' trigger visible or invisible icons to bodypaint, scorepoints, manipulate animations, or play music. The software is an authoring package allowing you to create your own interactive virtual environments. Version 2.0. Compatible with A500/1000/2000/3000. Requires 1MB, A-Squared Live! Video Digitizer board, video camera. Optional hardware: MIDI synthesizer, laser disc player, genlock, chroma keyer. NTSC: \$595, PAL: \$795. Vivid, Inc., 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9, (416) 340-9290

## Map Master for Lightwave 3D

This three-disk set includes a comprehensive manual containing complete descriptions of the Image Mapping capabilities of Lightwave, hints on how and where to use them, and descriptions of each of the 14 hi-res professionally scanned organic textures included on two disks of the package. All the 3-D objects and the Scene or .imp files are included for the user to recreate the Map Master screens and experiment further. Map Master also offers a wide array of effects through the included Images to use for your own renderings. It features combinations of Image mapping to produce dazzling effects. The Lightwave version and its objects are pre-formatted to take advantage of the additional mapping techniques offered in version 2.0, and will use the features as soon as you get the upgrade. \$99.95 Computer Imagery, 49 Walnut Ave., Shelton, CT 06484

## MovieSetter

Novice animation program lets you create action cartoon sequences with full stereo sound, in minutes. Easy-to-use interface allows you to rapidly produce complex animation sequences several minutes long with only 1MB of memory. Use built-in, professionally-drawn movie clip files or make your own 32-color images from within the program. Imports IFF graphics, generates sounds, and attaches stereo sounds to characters. Special features include color cycling, 60 frame/sec. playback, and linear and optical guides to help you create special animation effects. Full overscan lets you save features to your home library. Requires 1MB and only one drive. \$69.95 Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## Photon Video Cel Animator

Animates and plays back in any sequence. Allows color and sound synchronization. Continuous play option replays screens in continuous loop. Sound synchronization, color. Fully compatible with most art, animation, and rendering software. \$49.95 Microlutions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

## Plato's Revenge

Twisting and compressing ANIMbrushes based upon the Platonic Solids. Useful in developing interesting animations and segues between scenes, and in discovering the intricacies of 3-D movement. An excellent choice for educational use. Three disks of ANIMbrushes and free animation disk. \$39.95 EyeFull Tower Comm. / EarFull Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## ProWraps Vol.1

IFF 24-bit brushes to be 'wrapped' onto objects in most animation programs such as Imagine. Brick, marble, skylines, playing cards, etc. Full 24-bit, 16 million colors. JPEG format available. Amiga-DOS 2.0 compatible. \$29.95 Communication Systems Engineering, 4 Todd Rd., Nashua, NH 03060, (603) 883-0223

## Real3D 1.4 upgrade

You already own a Beta version of Real3D 1.4 and we hope that you still enjoy it. Now Real3D has morphing, key frame animation, and 24-bit texture support. Owners of Real3D 1.4 will automatically receive the upgrade. Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

## Real3D version 1.4

The program has been fully updated to meet the requirements of the most demanding users and now contains features that will surprise even the most creative minds. Real3D supports solid modeling, boolean operations, free form modeling tools with point editing, a full raytracing, 24-bit rendering, Phong shading, anti-aliasing adjustable in 8 levels, three different dithering methods, under Workbench 2.0 adjustable image size max 32000 x 32000 (OS limits). It also includes several ways of texture mapping with bump mapping, clip mapping, horizontal and vertical texture tiling, flip and gradient function, and animated textures. More accurate and easily editable control for motions of objects and even the observer and aim point can be located in the object hierarchy. Other features include undo function, 25% better memory management, visible grid, clearer indication of the selected object, defining measures and coordinates accurately by using the keyboard. Real3D is available in two versions. Real3D 1.199, and Real3D Professional \$499. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988. Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

## Scenery Animator

With Scenery Animator you can easily create photorealistic animations or single frames of real world and fractal terrain with clouds, water, snow, clouds, lakes, and vegetation. Detailed 30-meter USGS data for Yosemite and the Grand Canyon are included, and many more are available. Supports 3-D camera positioning, direction, and zooming. Has a built-in keyframe animation interface that allows straight and curved camera flight paths and automatic tweening. Produces ANIM5, IFF, DCTV and 24-bit IFF files for use with frame buffers. AmigaDOS 2.0 and PAL compatible. \$99.95 Natural Graphics, 4603 Slate Ct., Rocklin, CA 95677, (916) 624-1436

## Surface Master for Imagine

Surface Master provides you with a large number of predetermined surfaces while instructing you on Imagine's surface capabilities. The settings for the Preset Materials have been carefully chosen to work in the widest array of circumstances. By studying the sample screens and objects, you will gain the ability to create your own surface settings with confidence. To utilize Surface Master, a general knowledge of the Amiga and Imagine is assumed. Computer Imagery, 49 Walnut Ave., Shelton, CT 06484

## TV Record

TV Record is a 24-bit single-frame recording program which allows access to a VLAN (Video Local Area Network) to control a wide range of professional video equipment. Features include loading and saving sequences; record a series of images whose PATTERN and START/END numbers have been defined, negating the need for repetitive commands; each image or series of images can be recorded during a precise number of frames and at a precise time code. NTSC/PAL. Requires VLAN. UK Sterling £150. Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583

## TerraForm 1.01

TerraForm is the Vista and VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Can be used to modify any Vista or Vistapro landscape. Paint by elevation on the topographic representation map, or in the 3-D as they are being made on the topographic map. Order direct from VRIL. \$39.95 Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## The Animation Studio

The Animation Studio is the only full-featured animation and paint program to utilize state-of-the-art cel animation techniques characteristic of Disney-style animation. Features exclusive 'onion skin' technology for viewing multiple cels simultaneously, plus full paint functions, Disney animation tutorials, and a library of Disney character and background art. \$179.95 Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360

## The Director Version 2

Animation/presentation language compatible with IFF pictures, sounds, and ANIM files. Performs dissolves, wipes, page flipping, and more. Provides full interactive presentations capabilities. \$129.95 Right Answers, P. O. Box 3699, Torrance, CA 90510, (213) 325-1311

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## Transporter

An advanced, next generation animation control program designed to meet the ever-increasing needs of the professional Amiga animator. For those requiring more flexibility for single frame to tape configurations, Transporter is a must! Supports all popular frame controllers and display devices. Call for additional information. \$249.95 Merlin's Software, Published by Amazing Computers S.E., 1441 E. Fletcher Ave., Tampa, FL 33612, (813) 977-6511

## VIVA Presents

Create interactive multimedia presentations with the click of a mouse. Mix and synchronize still images, animations, text, digital sound and music for dynamic presentations. Take full advantage of the Amiga Interface with buttons, function keys, etc. \$79.95 Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826

## Vistapro 2.0

Vistapro 2.0 allows importation of more data into each picture frame than original Vistapro, greatly increasing the possible resolution of the final rendering. Oak, pine, palm, cactus, and sagebrush can be added to any scene in varying mixes and densities. Large and small buildings, roads, and sunsets can also be added. The final effect of all these functions is to produce a picture of unsurpassed realism and life. Vistapro adds direct support for DCTV, Firecracker, HAM-E, and ARexx. Contains a simple, direct animation utility with the basic program to produce an animation from the camera to the target. Wireframe preview mode is another new feature which allows a quick view of a scene. User-definable foreground and background are supported. Requires 3MB; accelerator strongly recommended. Higher resolution output is possible for those having more than 3MB RAM. Vistapro 2.0 outputs in 24-bit color for Toaster, Colorburst, or Harlequin boards. \$99.95 Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## X001: Vistapro Scapes-Mars Equatorial Region

37 degrees West to 117 degrees West; 14 degrees North to 18 degrees South. Valles Marineris, Pavonis Mons, Ascraeus Mons, Tharsis Tholus, Lunae Planum, Syria Planum, and Sinai Planum. Two-disk set, compressed; interconnected landscapes. \$39.95 Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## X002: Vistapro Scapes—Simi Valley

Cobblestone Mountain to Castaic Lake North; Moorpark West; Topanga Canyon East; Pacific Ocean South. Two-disk set, compressed; interconnecting landscapes. \$39.95 Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## X003: Vistapro Scapes-Palmdale

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# Graphic Arts

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◆ **X005: Vistapro Scapes—California Set—Inland Empire**  
San Bernardino North; Monrovia West; Yucaipa East; and La Habra South. Two-disk set, compressed; interconnecting landscapes. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

◆ **X006: Vistapro Scapes—California Set—San Diego**  
San Onofre North and West to Mexican border on South to about 8 miles inland. Some areas along coast not available. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X007: Vistapro Scapes—California Set—Orange County Area**  
Brea North; Stanton West; San Clemente East and South. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X008: Vistapro Scapes—California Set—Yosemite North**  
Tioga Pass, June Lake, and Grand Canyon of the Tuolumne. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X009: Vistapro Scapes—Yosemite South**  
Yosemite Valley, Half Dome, El Capitan, Bridal Veil Falls, Devil's Postpile, and Mammoth Lakes. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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**X010: Vistapro Scapes—Kings Canyon National Park**  
Kings Canyon Monarch Divide, Mt. Pinchot, Mt. Bradley, Mt. Clarence King, Kearsarge Pass, Mt. Williamson, Mt. Baxter, Mt. Brewer, Mt. Silliman, John Muir Wilderness. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X011: Vistapro Scapes—Mineral King**  
Mineral King, Great Western Divide, Silver City. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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Mt. Whitney, Mt. Langley, Inyo National Forest, Kern Peak. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X013: Vistapro Scapes—Grand Canyon A**  
Marble Canyon, Vermillion Cliffs, Desert Facade, Walhalla Plateau. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X014: Vistapro Scapes—Grand Canyon B**  
Granite Gorge, Grand Canyon Town, North Rim, Point Sublime, Middle Granite Gorge, Great Thumb Mesa. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X015: Vistapro Scapes—Grand Canyon C**  
Kanab Plateau, Kanab Creek, Kanab Point, The Dome, Mount Sinyala. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X016: Vistapro Scapes—Grand Canyon D**  
Lower Granite Gorge, Toroweap Point, Lone

Mountain, Twin Point. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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**X017: Vistapro Scapes—San Francisco Bay Area**  
San Rafael North; Duxbury Point West; Sunnyvale East; Pescadero South. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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Sheephorn Mountain, Vail, West Vail, Eagle River. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X019: Vistapro Scapes—Breckenridge, Colorado**  
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◆ **X020: Vistapro Scapes—Aspen, Colorado**  
Aspen, Snowmass Village, Hunter-Fryingpan Wilderness, Capitol Peak, Maroon Belles. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X021: Vistapro Scapes—Colorado River A**  
Yuma Arizona, Laguna Dam, Martinez Lake, Imperial National Wildlife Refuge, Cibola Valley, Moon Mountain. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X022: Vistapro Scapes—Colorado River B**  
Parker Valley, Giers Mountain, Parker Dam, Buckskin Mountain State Park, Lake Havasu, Chemehuevi Valley. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X023: Vistapro Scapes—Colorado River C**  
Lake Mohave, Mt. Davis, Fire Mountain, Lake Mead National Recreation Area, Hoover Dam. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X024: Vistapro Scapes—Colorado River D**  
Lake Mead, Arch Mountain, Fortification Hill, Bonelli Landing, Hamblin Mountain, Pyramid Peak, Hells Kitchen. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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**X025: Vistapro Scapes—Appalachian Trail, Virginia**  
Shenandoah National Park, George Washington National Forest, Blue Ridge Mountains, Thornton Gap. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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**X026: Vistapro Scapes—Glacier National Park, Montana**  
Hudson Bay Divide, Continental Divide, Flattop Mountain, Mt. Wilbur, Logan Pass, Lake Helena, Boulder Ridge, Heavens Peak, St. Mary Lake. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X027: Vistapro Scapes—Snake River, Idaho and Wyoming**  
Snake and Hoback Rivers, Ramshorn Peak, Bradley Mountain, Wolf Mountain. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X028: Vistapro Scapes—Jackson Hole, Wyoming**  
Teton Village, Gros Ventre Range, National Elk Refuge, Camp Davis, Targhee National Forest. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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Jackson Lake, Grand Teton, Teton Range, Grand Teton National Park, Mt. Moran, Jenny Lake, Rammel Mountain. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X030: Vistapro Scapes—Scenic Vistas, Wyoming**  
Gannett Peak, Flaming Gorge National Recreational Area, Devil's Tower National Monument, and Haystack Buttes. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X031: Vistapro Scapes—Mt. Michelson, Alaska A**  
Western portion of north coastal Alaska. 69 degrees North, between 144 and 146 degrees West. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X032: Vistapro Scapes—Mt. Michelson, Alaska B**  
Eastern portion of X031 region. Unique landscape possibly caused by repeated transit of glaciers. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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◆ **X033: Vistapro Scapes—Central California**  
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◆ **X034: Vistapro Scapes—California Scenes**  
Lake Arrowhead, Mt. San Geronio, Mt. Baldy. Two-disk set, compressed. Interconnecting landscapes. \$39.95  
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These are the first in a series of over 25 volumes of ANIMbrushes for Amiga science-fiction fans and movie-makers. Each of the disks contains startling hi-res 8- and 16-color SF elements. The first three sets focus upon rockets and other 3-D craft. Future volumes will contain all of the other elements needed to create a full Amiga-produced animated 3-D feature video. Volumes 1A, 1B, 1C: Two disks of ANIMbrush 3-D spacecraft plus an extra are disk of a completed animation. Volumes 2A, 2B, 2C: Two disks of ANIMbrush 3-D spacecraft plus an extra-terrestrial planets and cosmic scenes (HAM) to genlock with your animations. Volumes 3A, 3B, 3C: Two disks of ANIMbrush 3-D spacecraft plus an extra-terrestrial planets and cosmic scenes (HAM) to genlock with your animations. Two disk set. \$69.95  
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Each of these 10 disks sell for \$10 each and represents some of the work accomplished by one of the Amiga's most published and prolific artists. The first two were created to demonstrate the PROPS/Scene Generator interface, and the rest cover many subject areas and methods of electronic painting. The entire 10-piece set may be purchased for \$85.00. \$10.00  
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### Aegis Animagic

Animagic lets you perform amazing special effects with both IFF picture files and ANIM-style animations. Create spectacular DVE effects with your favorite pictures or ANIM's from VideoScape 3D, VideoTitler, or Deluxe Paint. You can even design your own unique effects. Using the powerful ANIM editor, the resulting ANIM files can then be edited, enhanced, or spliced together for longer movies. Includes sample animations and pictures and a special math coprocessor version of the program for Amigas equipped with 68020 and 68881 processors. \$139.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

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# Graphic Arts

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Storyboard animation editor for editing and manipulating standard, Op-Code 5 Amiga animations. Thousands of special effects. Combine multiple animations into one, or place one animation on top, behind, at the beginning, or end of another. \$49.95 *Progressive Peripherals & Software*, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

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### ◆ Animax™

Frame-by-frame animation control system for all Amiga software that supports the V-LAN universal control protocol. Requires one 'AT' bus slot. Cable connects internal serial port to the board. NTSC/PAL. Available summer 1992. \$1250.00 *Videomedia, Inc.*, 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN

### ● CellPro Version 1.1

Cellular automata art and animation system for video titling, research, recreational computing, algorithmic art, and educational applications. Generates images in up to 16 colors on Amiga 320 x 200 screen (overscan support also included, PAL available). Includes six built-in CA algorithms (Arithmetic, Life, Replicate, and more). Powerful Designer Mode for user-designed two-state CA algorithms with four or eight neighbors (many examples on disk). AutoSave feature for rapid compilation of image sequences for conversion to ANIM files. Load/Save IFF images, Load/Save Designer Mode algorithms. Compatible with Amiga graphics and paint programs. AmigaDOS 1.2-2.0 compatible. \$4 shipping. \$89.95 *MegageM*, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

Please see display ad page 154.

### ◆ Cine Back for FreezeFrame Film Recorder

When used with the FreezeFrame film recorder (listed under Graphics Hardware), this cinema back lets you produce professional 35mm animation on your desktop. Features include pin registration, forward and reverse, LCD frame counter and notcher. NTSC only. Requires 512K RAM, one floppy disk. \$5995.00 *Prime Option*, 2341 W. 205th St. Ste.116, Torrance, CA 90501, (310) 618-0274

### Fractal Movie 3

Fractal animation pulsating 'cube' Julia Set created with FractalPro in 256-color HAM graphics mode. Animation clip art for use with ANIM generator and editing programs. Includes self-running display program. \$1.50 shipping. \$10.00 *MegageM*, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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### ● FractalPro 4.0

Fractal art and animation system utilizing hi-res HAM 256-color graphics mode to generate Mandelbrot, Julia, 'cube' Mandelbrot, and 'cube' Julia still images and smooth pan, zoom, tween, and cascade animation sequences. Provides 12 types of fully automated animation sequences with four increments of motion (eight pan directions, zoom in/out, tween, and cascade), zoom up to 200 trillion magnification, generate fractal landscape files for 3-D rendering in Vista and Vistapro. Fast 100% assembly language. Includes automatic support for 68020/030 Amigas and overscan support. PAL version available. Compatible with HAM paint and animation utility programs. AmigaDOS 1.2-2.0 compatible. \$4 shipping. *MegageM*, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

Please see display ad page 154.

### ◆● FractalPro 5.1

Enhanced version of FractalPro. Has all features of 4.0 and adds new ones: completely recoded for math coprocessor or 68040 to provide 4-40 times speed improvement over 4.0, full-featured ARexx compatibility for remote operation via ARexx script or AmigaDOS script (using supplied JAH command), renders and saves (and can animate) 24-bit IFF images (while retaining HAM rendering as in 4.0) in NTSC. 24-bit images generated in 640x400, 736x480 (for DCTV and Toaster v.1), 752x482 (for Toaster v.2), 768x482 (Firecracker24), and 1024x482 (Firecracker24), optional script execution after each picture, four new fractal formulas with animation capabilities, extended color capabilities, selectable color banding width control. Direct real-time Firecracker24 rendering, script-operated DCTV conversion 'on the fly.' Also includes ARexx scripts for converting a single 768x482 24-bit image into a mosaic of four 768x482 24-bit images and compositing to a single 1536x964 24-bit image with AdPro 2.0. PAL available. Requires math coprocessor or 68040, 2.5MB. AmigaDOS 1.2-2.0 compatible. \$4 shipping. \$149.95 *MegageM*, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

Please see display ad page 154.

### ImageFinder

ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM or ANIM files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and file name of a selected image can be automatically entered in the file requester of an application. 512K required. \$65.00 *Zardoz Software*, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945, (916) 274-8311

### KARA FONTS-AnimFonts® 1

ChromeSCRIPT is an eight-color formal script in caps and lower case and comes in both a Keyboarded and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk. \$49.95 *Kara Computer Graphics*, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

### KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic eight-color font and comes in both a Keyboarded and AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y-axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95 *Kara Computer Graphics*, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

### KARA FONTS-AnimFonts® 3

Capsule is a hi-res eight-color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkle goes across each letter from the left to the right. A separate sparkle for custom effects is included. Comes in both keyboard and ANIMfont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95 *Kara Computer Graphics*, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

### ◆ KARA FONTS-AnimFonts® 4

CHROMEchiselSCRIPT is a hi-res, shiny gothic script ColorFont with caps, lower case with alternate characters (r,z,s,l), numerals, and special characters. Available in 115 point size. Includes both a Keyboard and an AnimFont which wipes on a static image of letter, then the actual letter is wiped on by a laser-type burn. AnimFont can be used with any AnimBrush-capable program. Keyboard font compatible with ColorFont standard programs. Includes hard drive install program, extra palettes, and utilities to use ColorFonts. Two disks. \$59.95 *Kara Computer Graphics*, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

### KARA FONTS-STARFIELDS

Animated hi-res 704 x 480 overscan, Starfield backgrounds in three views: front, diagonal, and side. Each comes in a two-color version fast loading to dump to video and 16-color palette version to include two different KARA FONTS or one KARA FONT and an included animated object such as an Earth, moon, satellite, or asteroid. Compatible with DPaint 3 and other programs that use the ANIM and animbrushes format. Two

disks. \$59.95

*Kara Computer Graphics*, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

### Media Line Animation Backgrounds

All backgrounds are made with standard VideoScape 32-color palette. Works well with other animation packages. The 30 backgrounds are situated in four drawers, Scenic, Textbacks, Structures, and High Tech. Backgrounds are in interlaced lo-res to get maximum resolution and in overscan to eliminate borders when transferring to videotape or film. \$39.95 *Mainstream America*, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650

### MovieClips

Additional backgrounds, animations sequences, and sounds for MovieSetter. Can be used with any IFF program. \$34.95 *Gold Disk, Inc.*, 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### ● OLO Animated Fonts 1

Marmor is a hi-res, eight-color, marble-looking, massive, and impressive font in caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (120 & 140 pts.). Animated version covers letters A-Z in 120 pts. Each animated letter grows from out of dull stone. Then it's illuminated and thereby it lets the beautiful marble pattern appear. There are 49 frames per letter. Comes standard in Ivory-palette with different, suitable marble palettes added. Two disks and a thorough 40-page user manual in English included. Requires minimum of 1.5MB RAM. AmigaDOS 2.0 compatible. \$59.95 *ArtoVinjett*, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702

### ● OLO Animated Fonts 2 (Glider)

Glider is a hi-res, eight-color, metal-looking, attractive and shiny font in lower-case looking caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (108 & 128 pts.). Animated version covers letters A-Z in 108 pts. Each animated letter is exploded into position. The next sequence shows a beam of light traveling through the brim and surface of each letter from left to right with sparkles further enhancing the impression. There are 42 frames per letter and comes standard in sober green/brown-palette with 6 other palettes added. Two disks and a thorough 40-page user-manual in English included. Requires minimum of 1.5MB RAM. AmigaDOS 2.0 compatible. \$59.95 *ArtoVinjett*, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702

### ● OLO Animated Fonts 3 (Gold)

Gold is a hi-res, eight-color, gold-looking, clear and exclusive font in caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (113 & 133 pts.). Animated version covers letters A-Z in 113 pts. Initially each letter is blurred with a crude mosaic pattern. This pattern is rotated into position from the distance. The next sequence shows the crude pattern becoming increasingly redefined and the crisp definition of the letter appears. There are 40 frames per letter and comes standard in fancy gold-palette with nine other palettes added. Two disks and a thorough 40-page user manual in English included. Requires minimum of 1.5 MB RAM. AmigaDOS 2.0 compatible. \$59.95 *ArtoVinjett*, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702

### Spheres 2

Second disk of clip art of 3-D lighted, shaded spheres texture wrapped with FractalPro 256-color HAM fractal image. Includes complete ANIM file of rotating fractal sphere and still images for use with HAM paint programs. Includes utility programs for separating ANIM files into individual frames and combining ANIM files. \$10.00 *MegageM*, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

Please see display ad page 154.

### The Personal SFC

The Personal SFC is a low-cost hardware and software solution that bridges the gap between single-rendered images and a completed video animation. It is fully compatible with NewTek's Video Toaster, Impulse's FireCracker 24, Digital

# Graphic Arts

Creations' DCTV, GVP's ImpactVision 24, ACS Harlequin, Amiga genlock, Black Belt Systems' HAM-E, and others. Software features include an easy-to-use point and click interface, time lapse and stop motion recording, animation sequencing, 1/4 screen B&W animated preview, convenient tape pre-stripping, and ARexx control. Supports a host of RS-422 serially interfaced, frame accurate VTRs with internal time code. Requires A2000 or A3000 with 1MB RAM min., 3-9MB recommended for advanced conversion/display features. NTSC and PAL supported in one version. For A500 compatibility contact manufacturer directly. \$425.00  
**Nucleus Electronics, Inc., 10 Cross Ave., P.O. Box 1025, Nobleton, Ontario, Canada L0G 1N0, (416) 859-5218**

## Toolkit for The Director

This disk is packed with features and enhancements to expand the capability of The Director. New wipe routines, a palette selector, a pie chart generator, and more. The new and enhanced BLIT Utility has a powerful interface to help create Wipe, Dissolve, and BLIT operations. It also automates the process of moving an object over a background, generating a complete working script. \$39.95 *Right Answers*, P.O. Box 3699, Torrance, CA 90510, (213) 325-1311

## WHOOSH!

Three separate sets are offered in the WHOOSH! series. These are multicolored ANIMbrushes in hi-res 8 and 16 colors. All were designed with the Amiga artist and animator in mind, and all play quite well in the video environment. They also genlock well to the user's choice of backgrounds. \$24.95 *EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## ARTWORKS

### Digital Art Gallery - Erotic Art: Funtime

Volume 1 of original art by award-winning artist Michael E. Brown. Six images per volume with presentation program included. You must be 18 years or older to order. \$50 for three-volume set. \$19.95  
*Imaging That!, 2593 Seneca Tr., Box 956334, Duluth, GA 30136, (404) 446-9417*

### Digital Art Gallery - Erotic Art: Mind Puzzles

Volume 3 of original art by award-winning artist, Michael E. Brown. Six images per volume with presentation program included. You must be 18 years or older to order. \$50 for three-volume set. \$19.95  
*Imaging That!, 2593 Seneca Tr., Box 956334, Duluth, GA 30136, (404) 446-9417*

### Digital Art Gallery - Erotic Art: Tessellation

Volume 2 of original art by award-winning artist, Michael E. Brown. Six images per volume with presentation program. You must be 18 years or older to order. \$50 for three-volume set. \$19.95  
*Imaging That!, 2593 Seneca Tr., Box 956334, Duluth, GA 30136, (404) 446-9417*

## FractalShow 1

Self-running slide show of best images from FractalPro: Mandelbot Sets, Julia Sets, ray-traced texture mapped fractal art in 256-color HAM graphics mode. Great backgrounds or clip art for HAM paint programs. PAL available. \$1.50 shipping. \$10.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 154.**

## Midnight Graphics

Midnight Graphics is a collection of original IFF artwork, most suitable for video applications. \$29.95  
**Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449**

## Myra's World

Single HAM ANIM ile (requires 1MB memory, completely fills disk) of beautiful woman on whose fingertip appears a fractal world which rotates and vanishes. AmigaDOS 1.2-2.0 compatible. \$1.50 shipping. \$10.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 154.**

## Pro-Quality Clip Art Multi-Screen Collection #1

IFF high-res format images. Symbols V1, cartoons V1, holidays V1, U.S. and world maps.

100% compatible with any IFF Paint, desktop publishing, or desktop videop program. Five disks, 450+ screens, each containing six to 12 drawings. \$99.95

*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

## Pro-Quality Clip Art Multi-Screen Collection #2

IFF high-res format images. Symbols V2, Cartoons V2, Holidays V2, Sports V1, and Animals V1, 100% compatible with any IFF Paint, Desktop Publishing, or Desktop Video program. Five disks, 450+ screens, each containing six to 12 drawings. \$99.95

*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

## Pro-Quality Clip Art Multi-Screen PreHistoric Animals

Twenty-four IFF high-res screens, each containing six to 12 prehistoric creatures, 100% compatible with any IFF Paint, desktop publishing or desktop video program. \$19.95

*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

## Pro-Quality Clip Art Multi-screen Airplanes V1

Fifty-two IFF hi-res format screens, each containing six to 12 airplanes—from the early Fokker to the modern F14, with 100% compatibility with any IFF Paint, desktop publishing, or desktop video program. \$19.95 *Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

## CAD

### Aegis Draw 2000 V2.0

A powerful two-dimensional CAD system. Create structured drawings, up to 256 layers of information. Unlimited zoom levels, auto-dimensioning, and the ability to edit any line at any time are just a few of the features that make this program the solution to most CAD application needs. Read and write AUTOCAD files plus PostScript output. \$199.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

## Board Master

Board Master comes with a full autorouter from netlist and a substantial library of parts and physical styles. High density (two lines between pads) routing is supported, and all boards are design rule checked. Manual routing is also supported, as are trace size changes and host of other PCB features. Netlists are ASCII text and completely human-readable and editable. Comprehensive manual, non-copy protected, reliable, and bug free. Board Master is extremely fast—full screen redraw of packed board occurs in under one second on a stock Amiga. ARexx compatible, requires Floppy or hard drive-based, 68000 thru 68030, with 1.5MB or more. \$99.95  
**Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) 852-6442**

### DynaCADD 2.04

New version now includes export capabilities to the following rendering packages: Caligari, Lightwave, Imagine, Sculpt 3D, and Videoscape. DXF In/Out has been upgraded to include the layer color and style information, and a DXF In/Out 3-D option has been added. New entity type (3D Face/Solid). Other new features: hidden line removal, color PostScript option, inheritance flag for inserting figures, layer attributes, upgraded DynaCADD DEF export file format, updated Entity Snap for snapping to 2-D solid and 3-D face corners.  
**Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2, (416) 479-1990**

### GFX-CAD

This package bundles X-CAD Professional with X-SHELL 3.0 for use with a single dongle. Includes a 200-page manual with illustrations and examples in an easy-to-read format. Also includes free 6-month subscription to X-PRESS! NTSC, U.S. keyboard. Requires 3MB, any Amiga CPU, special library for math coprocessor, AmigaDOS only. No hard drive required (two floppy drives required as alternate). \$369.00  
**Graf Computing, 6680 Wilsie Road, Panama, NY 14767, (716) 782-2468**

## IntroCAD

User-friendly, object-oriented CAD program. Delivers laser-like output on dot matrix printers. \$49.95

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## IntroCAD Plus

Like IntroCAD, but more powerful. Adds layers, hatching, ARexx support and more drawing tools. Also has user-definable keyboard equivalents. \$99.95

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## Pro-Board

Professional PCB (Printed Circuit Board) layout package. Many features available. Working in conjunction with Pro-Net, they provide a complete solution from schematic to PCB that is cost effective, powerful, and extremely easy to use. Some features are not available even in packages costing much more. Distributed by Centaur. \$299.00

*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621, (714) 447-8792*

### Pro-Board 3.0

Advanced PCB layout package. This version has many new features and improvements. Compatible with version 2.0 of Pro-Board. Full auto-placement and auto-routing capability. Supports up to 16 layers. Supports Workbench 1.3 and above. Call, write, or fax for more information. Distributed by Centaur. \$439.00  
*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621, (714) 447-8792*

## Pro-Board Personal

Entry level PCB (Printed Circuit Board) layout package of Pro series. Many features are available. It is an intelligent single line auto-router with high density capability. Distributed by Centaur. \$145.00  
*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621, (714) 447-8792*

## Pro-Net Personal

Entry level schematic capture package of the Pro series. Many features are available for producing professional grade schematics. It can also be used to produce flow charts, timing diagrams, block diagrams and organization charts. Distributed by Centaur. \$145.00  
*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621, (714) 447-8792*

## Pro-Net

Professional electronics schematic capture package. Many features available. Working in conjunction with Pro-Board, one of the most cost effective CAD tools for the Amiga. Minimum 1MB. Distributed by Centaur. \$299.00  
*Prolific, Inc., 6905 Oslo Circle, Ste 3, Buena Park, CA 90621, (714) 447-8792*

### SpeakerSim V2.1

Package for designing and optimizing loud-speaker systems. Design new systems or optimize existing ones. Analyzes speakers and enclosures via the Thiele-Small model. Features a variety of graphing modes, user-updatable data files, configuration files, full color control 640 X 200 or 640 X 400 screen resolution. Designs first, second, and third order high- and low-pass filters. Print to any Workbench printer, HPGL plotter, or PostScript printer, AmigaDOS 2.0 compatible, ARexx capable; save graphs in IFF format, and more. Requires 512K. \$112.00  
*dissidents, 10325 Woods Road, Utica, NY 13502, (315) 797-0343*

## UltraDesign

Professional CAD system: Auto-Dimensioning, endless layers, full library support, user-definable keyboard commands, and menus. Paste-up module for plotting and scaling single or multiple drawings for output over one or several pages. Easy to use! \$199.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## X-CAD Designer by CADVISION

X-CAD Designer is a full-featured, professional, 2-D design, and drafting tool. Ease of use, pull down menus, and a comprehensive tutorial guide the novice through the early stages of learning, while advanced users may configure the system to suit their own needs. \$149.95  
**American Software Distributors, 502 E. Anthony Dr., Urbana, IL 61801, (217) 384-2050**

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# Graphic Arts

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## X-Cad 2000

X-Cad 2000 is ideally suited for the first-time CAD user. Automation of the design of architectural, mechanical, electrical and process engineering drawings is straightforward. Once these designs have been completed they may be projected or spun in true 3-D model space and viewed in orthographic, isometric or perspective orientations. NTSC or PAL, AmigaDOS 2.0 compatible. \$199.00

*Computech Services, 87, Victor Gardens, Hawkwell, Hockley, Essex SS5 4DY, England, (011) 44-702-206-165*

## X-Cad 3000

X-Cad 3000 with the manual weighing in at a mere 2kg—including Tutorial and Quick Reference Sections—this product offers higher performance for the professional CAD user including: industry standard graphics tablet support, powerful 3-D surfacing commands and automatic hidden line removal. X-Cad 2000 users upgrading to X-Cad 3000 need only pay the difference between the two products. \$599.00

*Computech Services, 87, Victor Gardens, Hawkwell, Hockley, Essex SS5 4DY, England, (011) 44-702-206-165*

## X-Cad 3D

X-Cad 3D is for existing X-Cad Designer and X-Cad Professional users who require advanced 3-D modelling tools to complement their existing 2-D CAD software. NTSC or PAL available, AmigaDOS 2.0 compatible. \$499.00

*Computech Services, 87, Victor Gardens, Hawkwell, Hockley, Essex SS5 4DY, England, (011) 44-702-206-165*

## ❖ ❖ ❖ CAD/PARTS ❖ ❖ ❖

### CAD Parts

Listing of over 150 electronic parts used for designing circuits. Can be used with IntroCAD and Aegis Draw. \$24.95  
*East/West Software, 73 Lorna Lane, Suffern, NY 10901*

### Floor Plan Library CAD/CAM

This library is a two-disk set consisting of over 220 room parts and 32 bath and kitchen room modules for use with Aegis 2D CAD program, Aegis Modeler 3D, and Gold Disk Pro Page programs. \$89.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

### Framing & Foundation Library

A set of 45 drawings showing different foundation and framing conditions for wood construction. This two-disk set also contains over 120 parts for use in the creation and modification of construction details, for use with Aegis 2D CAD format programs as well as Aegis 3D and Gold Disk Professional Page programs. \$89.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

### Interior Design CAD/CAM

A set of furniture parts for use with Aegis 2D CAD format programs. Contains over 275 different furniture pieces for use in interior design, concept development, and presentations. Designed to be used with or without the Floor Plan Library. \$89.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

### ◆ Madrigal Architectural Master Collection DXF

Collection of CAD parts for architectural design. Contains floor plan parts for bath and kitchen room modules as well as furniture parts representing furniture types from beds to desks. For use with CAD and desktop publishing programs using the DXF format standard. Also available in Aegis CAD format. NTSC. \$129.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

### ◆ Madrigal Automotive Construction Set, CAD Format

Interactive clip art design system for use with CAD programs supporting DXF standard. Collection contains autos from the U.S., Europe, and Asia. Includes sedans, sports cars, coupes, wagons, hatch backs, pickup trucks, long haul trucks, and vans. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. System design gives user the power and flexibility to easily examine design options and manipulate

ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of automobile design and individual specification sheets. Six-disks. NTSC IFF format. \$229.95

*Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

## ❖ ❖ ❖ CAD/UTILITIES ❖ ❖ ❖

### FUTEX

Professional outline font for XCAD Pro and XCAD 3000. Styled after Futura Medium, includes uppercase, lowercase, numerals, and punctuation. Reduced from \$39.00 \$29.00

*GrafX Computing, 6680 Wiltzie Road, Panama, NY 14767, (716) 782-2468*

### PlotPrint

Transforms vector-oriented pen-plot data files created by CAD/scientific/spreadsheet programs into high-resolution bitmaps that allow any graphics printer to be used instead of an expensive pen plotter. Features include full HPGL interpreter that translates all HPGL commands. Compatible with all printers; works in all resolutions; any size printout; handles any drive configuration; Intuition; 50-page manual; interactive or batch modes. Prints B size drawings (11 x 17) directly with wide printer or in two panels with narrow printer. \$50.00

*Hi Tech Graphics, P. O. Box 446, Tallmadge, OH 44728, (216) 633-7966*

### ● PlotPrint Version 2

68020/68881 version of PlotPrint. AmigaDOS 1.2-2.0 compatible. \$50 for 68000. \$60 for 68020/030 881/882. \$60.00

*Hi Tech Graphics, P. O. Box 446, Tallmadge, OH 44728, (216) 633-7966*

### ◆● Read4D

This program accepts an Amiga- or Mac-generated Sculpt (Byte-by-Byte) file and converts it to .STL format used for rapid prototyping (stereolithography by liquid photopolymer or dry selective laser sintering) processes. You can create your own design with 3-D modeling systems other than Sculpt and convert to Sculpt object or scene formats using file conversion routine such as Imagine to Sculpt 4D via an interchange module by Syndesis. Sculpt not needed to run the conversion; Read4D is a standalone process that just works on the files. Program has options for outputting .STL files as binary or ASCII, scaling dimensions, offsetting origin, and providing diagnostics as to file size, part bounding dimensions, and polygon data. Program and docs on 3.5-inch standard density Amiga disk. Requires 512K min. AmigaDOS 2.0 compatible. \$375.00

*DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012, (817) 275-2044*

### ◆● ReadSOBJ

This program comes in two parts: Part A converts Caligari .SOBJ ASCII files to Sculpt script files. Part B converts Caligari .SOBJ binary files to Caligari .SOBJ ASCII. Make a stereolithography part via Sculpt and Read4D .STL converter shown in another listing. Requires 512K min., AmigaDOS 2.0 compatible. \$37.50

*DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012, (817) 275-2044*

### The ACAD Translator 2.0

The ACAD Translator provides the Amiga user with a much-needed link with the professional CAD market. Translate sophisticated DXF files to Sculpt-Animate or TurboSilver format to produce stunning color image renderings and animations. Also use Amiga translation programs to convert this data into formats for use in Imagine, Lightwave, or other 3-D rendering programs. The ACAD Translator is fully multitasking and is executable from Workbench or CLI and will convert all AutoCAD Rev. 10 and Rev. 9 and compatible files including all 3-D options. Supports PAL. \$179.95

*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720, (512) 343-9564*

### X-PLANNER

Add-on menu, commands, and library to X-SHELL/XCAD. X-PLANNER has all the drawing tools on one menu to draw architectural floor plans and reflected ceiling plans. This menu places entities on pre-assigned layers and includes symbols for standard bath, kitchen, and ceiling fixtures. Also included is a library of standard door sizes and shapes (single leaf, reverse swing, bifold

and double-leaf). X-PLANNER draws walls in standard widths according to actual material sizes. A detailed 30-page manual with examples comes with the disk. Reduced from \$49. \$39.00

*GrafX Computing, 6680 Wiltzie Road, Panama, NY 14767, (716) 782-2468*

### X-PORTER 3.1

X-PORTER translates AutoCAD Revision 10 DXF files to AegisDraw format for use by DrawPRO, Aegis Draw, Taurus XCAD and PageStream programs. X-PORTER also converts XCAD verification format to DXF (for Taurus XCAD customers). The disk includes other translational utilities as well and comes with a 12-page manual. Reduced from \$69. \$59.00

*GrafX Computing, 6680 Wiltzie Road, Panama, NY 14767, (716) 782-2468*

### X-SHELL 3.0

This is a completely new and improved version. It shuts off the annoying XCAD text interface and uses the overscan area of the screen to tuck, trim, and compact menus that release the full potential of XCAD Pro. Includes eight main menus that use mouse activated buttons to control everything from symbol attributes and bitmap fill patterns to text character spacing and ellipse orientation. X-Shell has a 200-page manual useful for both beginners and experienced power users. X-Shell provides standardized base drawings with pre-defined viewpoints to speed setup time and menus organized into discrete areas of drawing activity to increase productivity and reduce menu pawing. Usable without a flicker-fixer. Reduced from \$199.00 \$169.00

*GrafX Computing, 6680 Wiltzie Road, Panama, NY 14767, (716) 782-2468*

## ❖ GEOGRAPHICAL EXPLORATION ❖

### MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline-based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real-time editing capabilities. Simple point-and-click interface. Order direct from VRLI. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### TerraForm 1.01

TerraForm is the Vista and VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Can be used to modify any Vista or VistaPro landscape. Paint by elevation on the topographic representation map, or in the 3-D as they are being made on the topographic map. Order direct from VRLI. \$39.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### ◆ Vistapro 2.0

Vistapro 2.0 allows importation of more data into each picture frame than original Vistapro, greatly increasing the possible resolution of the final rendering. Oak, pine, palm, cactus, and sagebrush can be added to any scene in varying mixes and densities. Large and small buildings, roads, and sunsets can also be added. The final effect of all these functions is to produce a picture of unsurpassed realism and life. Vistapro adds direct support for DCTV, Firecracker, HAM-E, and ARexx. Contains a simple, direct animation utility with the basic program to produce an animation from the camera to the target. Wireframe preview mode is another new feature which allows a quick view of a scene. User-definable foreground and background are supported. Requires 3MB; accelerator strongly recommended. Higher resolution output is possible for those having more than 3MB RAM. Vistapro 2.0 outputs in 24-bit color for Toaster, Colorburst, or Harlequin boards. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

# Graphic Arts

## ❖ GRAPHICS DISPLAY CARD ❖

**A2410 High Resolution Color Graphics Card**  
A high-resolution graphics card for the Amiga 3000UX. It provides eight color bit planes and supports 256 colors on a screen from a palette of over 16 million colors. The A2410 card provides color graphics up to 1024 x 1024 pixels. It is compatible with the Commodore 1950 multi-synch monitors. The A2410 card includes 1MB of video memory on the board and provides high performance support for X Windows and Open Look applications.

Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### A3000-IV24

GVP's multifunctional IV24 provides a complete professional desktop video solution. The 24-bit board offers 16 million colors, and has unique picture-in-picture capabilities. Features built-in genlock, frame grabber, frame buffer, and flicker eliminator. Also comes bundled with several powerful software packages, as well as impressive RGB splitter. Is designed for the A3000, but will also work with A2000 with optional adapter kit. \$2000.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### Black Box Broadcast Quality Graphics System

Ultra high-speed 16.7 million color graphics system with alpha channel. Built in intelligence for handling of 3-D concepts, extrusion, etc. Handles blitting line drawing in hardware at 5 billion pixels per second. Real-time 24-bit 3-D rendering, etc. Supports PAL, NTSC, and SECAM. Requires: Amiga 500 thru 2500, Multisync monitor \$6300.00  
DJW Microsystems, 50 Belle Vue Road, Shrewsbury, Shropshire, England SY3 7LR, (011) 4474-324-4752

### FIRECRACKER 24

The FIRECRACKER 24 takes up the normal Zorro slots in the A2000 or A3000; it does not take up the video slot. Certain types of genlocks that work in the video slot of the Amiga may conflict with the use of the FIRECRACKER 24. Please consult your dealer or Impulse if you have any questions regarding internal genlocks. Due to the cost of buying all the different genlocks on the market today, Impulse cannot guarantee operation with any genlock. Impulse has tested the FIRECRACKER 24 with various models; for further information regarding genlock use, please call Impulse and ask for tech support. FIRECRACKER 24 1MB \$1000/2MB \$1500.

Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444, (612) 425-0557

## ❖ ❖ ❖ PAINT ❖ ❖ ❖

### ❖ Aegis SpectraColor

Brush ANIMs finally come to HAM! Now, use all of the animation capabilities offered by SpectraColor to produce stunning 4096 color movies. Wrap images around spheres, cubes, even on a contour to provide remarkable graphic effects. Designed by the authors of PhotonPaint, SpectraColor is destined to become the new Amiga HAM standard! Workbench 2.0 compatible. \$99.95

Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Aegis SpectraColor for HAM-E

This powerful HAM paint program now supports Black Belt Systems' HAM-E graphics expansion system. All the features of SpectraColor, including key frame animation with free-hand or straight-line paths; brush wraps; luminosity, density, and light-source direction controls, icon-based point-and-click interface, the easy-to-use color Manager for selecting among the 262,144 colors of the HAM-E system and numerous paint and animation tools, are now available for HAM-E users. Requires 2MB. \$99.95

Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Aegis Spritz

Entry-level paint program that boots up in less than five seconds. Features include multiple active brushes, load an entire cut drawer at once, unlimited undos, works in all resolutions, grab any screen from within the program, supports Smart-Link interprogram communications system, and works with Express Paint and Icon Magic. Supports up to 64 colors and page size only limited by chip RAM. Comes with entire award-making kit to be used with the program's

unique Power Borders feature, which lets you make any cut or brush into a dazzling border or frame automatically. Borders can be larger than the screen. \$79.95

Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### ChromaPaint

Supports half-bright modes NTSC, PAL and any number of fonts. Use as many screens as memory allows. Features include zoom, brush, color cycling, printing, clip board, and animation generation features. \$49.95

Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

### DCTV

DCTV is a revolutionary new video display and digitizing system. DCTV creates a full color NTSC display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit high resolution images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full NTSC color. \$495.00  
Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825

### DeluxePaint III with Animation

First in a new class of software that integrates paint with animation. Program actually paints animation by allowing users to AniPaint™ a series of screens the way they would paint a single screen. Also allows user to paint and create with multi-frame Animated Brushes to create animations like birds in flight. Integrates animation with its perspective capability in a feature called Move, which allows user to define a brush, the distance for it to travel, a rotation, and the number of frames for it to move across. Other features include extra-halfbrite support, wrap mode, tint mode, direct overscan, and much more. \$99.95  
Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

### ❖ DeluxePaint IV

The full-featured Paint and Animation program from EA just got better. Version IV features LightTable, which lets you see through the frame you're currently working on; Metamorphosis, which instantly transforms the shape and image of one brush into any other brush; New Animation Control Panel, whose VCR-style interface means no more searching through the menus for the animation controls you need—just point and click; Color Mixer, to create and choose colors; Stencil Paint Mode for greater control over image processing and manipulation; rich tinting and translucency for special effects; and the ability to paint and animate with all 4096 colors in HAM mode. Upgrade from DeluxePaint III for \$60.00. Kickstart 1.3 or 2.0; Workbench 1.3 and 2.0 compatible. Requires 1MB. \$179.00  
Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

### ❖❖ DeluxePaint IV, 4.1

New features of this update include scalable fonts supported under AmigaDOS 2.0, full page metamorphosis, paint stencil enhancements, extended color selections, faster anti-aliasing in all modes, and more. Upgrades available for DeluxePaint IV and III owners. \$179.00  
Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

### Digi-Paint

Fully utilizes the Amiga's graphic capabilities. Special features include shading, tinting, blending, and complete drawing tools. Closest thing to paint and brush on the market. \$59.95  
NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146

### Digi-Paint 3

So much more powerful than Digi-Paint, we skipped a number. New features include full Amiga font support with anti-aliasing of text, an extended set of drawing tools with resizable built-in brushes, and user-controllable 3-D texture mapping. New display features include support for autoscrolling bitmaps up to 1024 by 1000 pixels, user-definable overscan, and changing screen resolutions on the fly. Digi-Paint 3 has been written in 100% Assembly code for the fastest time of any HAM paint program and also features a complete set of keyboard shortcuts for experienced users. Digi-Paint 3 now includes

image-processing software available only to Digi-View owners, including the ability to transfer images between resolution modes and display up to 768 x 480, using NewTek's exclusive dithering algorithms for the highest color and picture resolution. \$99.95

NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146

### ❖ FernGully-The Computerized Coloring Book

This computerized coloring book allows you to mix and match backgrounds and characters from the film. Create and color the enchanting world of Crysta, Pips, the Beetleboys, and that brain-scrambled fruitbat, Batty Koda. Includes learning guide. NTSC. Requires 512K. European dist. by Accolade Europe, Ltd. Australian dist. by Electronic Arts Pty Ltd. \$29.95  
Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040

### HAM-E Workshop

The first and best paint program for the HAM-E. Paints in HAM-E register mode, providing 256 colors out of 16.8 million. Powerful features include a 10-brush library, anti-aliasing, true polygons (3-22 sides), rays, four point curves, brush masking, color replacing, rub thru, pattern draw, and automatic shadows. Supports page animation and a new technique. Cell animation provides movepaths, unlimited frames, and time synchronization. Page animation synchronizes and times 10-brushes with rotation, movement, acceleration, and fading. Imports and converts standard Amiga pictures and animations. Other features include gradient fill, wrapping, 3-D perspective and more. \$60.00  
Holosoft Technologies, 1637 East Valley Parkway, Ste. 172, Escondido, CA 92027, (619) 747-0663

### ❖ Home Alone-The Computerized Coloring Book

The fun with Kevin continues...Enjoy dozens of scenes directly from the movie, including the aftershave scene! Print out your favorites to colorize with crayons and markers. An easy-to-use paint program for kids of all ages. Includes learning guide. NTSC. Requires 512K. European dist. by Accolade Europe Ltd. Australian dist. by Electronic Arts Pty. Ltd. \$29.95  
Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040

### ❖ Macro Paint

Macro Paint is the first 4096 color hi-res paint program for any Amiga. Macro Paint loads and modifies dynamic hi-res pictures as well as 24-bit pictures. Macro Paint is AReXX compatible and can give or receive an AReXX command. Macro Paint requires 1MB of RAM, but for full-featured use we recommend 3MB of RAM. Macro Paint is a multitasking program and is 2.0 compatible. \$139.95  
Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045, (215) 337-8770

### Mega Paint

A 24-bit paint program. Features multi-directional gradient fills with variable dithering, 16.7 million levels of transparency, blending, smoothing, and colorizing. These modes along with an array of drawing tools make creating in 16.7 million color easy. It has the ability to import and export several file formats. With direct control of the Mimetix FrameBuffer, from Mega Paint, you can capture images from video, edit, and re-display them in broadcast quality NTSC. PSEUDO VISION Computer Graphics, 9319 E. Main, Spokane, WA 99206, (509) 926-6623

### Photon Paint 2.0

New features include multiple swap pages that can be run by special animation function, alternative drawing sources: rub through, Pantograph, and brush-patterns; ColorFont support; Cycle Draw. New drawing modes include: And, Or, Xor, Add, Subtract, Maximum, Minimum, Use H, and Use H&S. New tools include air brush with definable spray area, fill polygon tool, and polygonal brush cutter. \$49.95  
Microlusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

### Pix Lib

Pix Lib is a picture conversion and storage program with a library of 995 beautifully drawn pictures—each picture is in 32 colors and is 213 x 145 pixels in size—covering nearly half the screen. It allows you to view and then save any picture in IFF format for immediate use in DeluxePaint I-III,

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# Graphic Arts

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Digi-Paint, and most other popular paint programs. Pix Lib can run simultaneously with DeluxePaint (requires 1MB) so that you can load any picture right away for drawing virtually any imaginable scene or backdrop. \$19.95  
Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821, (800) 272-4601

## ◆ Rock-A-Doodle - The Computerized Coloring Book

This computerized coloring book allows you to mix and match backgrounds and characters from the film. Create and color the fairy tale world of Edmond, Peepers, Snipes, and the rock 'n roll rooster Chanticleer. Includes learning guide. NTSC. Requires 512K. European dist. by Accolade Europe Ltd. Australian dist. by Electronic Arts Pty. Ltd. \$29.95  
Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040

## ● TV Paint v1.6

A 32-bit paint package for the Harlequin Framebuffer. Advanced features include Density Fills, Transparency, Masking, Gamma Control, Smear, Shade, Colorize, Brush Wrapping, Larger-than-Screen editing, multi-format support. A powerful image processing tool offering 16.7 million color palette for designing, re-touching, and manipulating 32-bit images. Includes slide show utility offering 32 video effects. Requires an accelerated Amiga 2000/3000, Harlequin 32-bit Framebuffer, 8MB RAM recommended minimum, OS/2 compatible. NTSC/PAL. Language support for English, German, and French. UK Sterling £800.

Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583

## ◆ ◆ ◆ PAINT CLIP ART ◆ ◆ ◆

### ◆ Artist Studio 1 Female Nudes

A collection of images and parts of the human female body designed for use by artists in all paint programs using IFF standard. Collection is designed so that the artist may manipulate images, combining and modifying them to create new ones. Images are drawn in perspective for a 3-D effect. NTSC. \$39.95 Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### Autumn Colors

A collection of digitized leaves in a splendor of fall colors. They are in interlaced HAM and are ideal for use with your HAM Paint programs or multimedia presentations and desktop videos. NTSC, Workbench 1.3 and 2.0 compatible. Price includes shipping and handling. \$39.95  
GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229

### Birds In Nature (MGLD.501)

Four disks containing 30 HAM 352 x 480 images of birds and wildfowl. Species include cardinal, bluejay, purple finch, evening grosbeak, wren, woodpecker, gull, mallard, baldpate, hawk, sparrow, blackduck and more. This is the first set in the multimedia graphics library disk series designed for commercial art, business presentation graphics and multimedia work. All images were converted from 24-bit files from original photographic slides. \$49.95  
Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### Cafe Sketches

Includes 33 digitized images in interlaced hi-res (black and white) from original charcoal, pencil, or pen and ink drawings by Carlos A. Caicedo. These drawings include many stylized figures of people in coffee house settings and are ideal for use with your drawing program of multimedia presentations and desktop videos. NTSC, Workbench 1.3 and 2.0 compatible. Price includes shipping and handling. \$39.95 GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229

### Deluxe Maps Vol. I

Create better reports and presentations with these IFF format U.S. regional and state map outlines. \$24.95  
Computer Arts, P.O. Box 529, Opp, AL 36467, (205) 493-6312

### Floor Plan Library

A set of floor plan parts and bath, kitchen, room modules saved as IFF screens for use with paint, desktop publishing, and presentation programs. \$59.95

Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### Flowers

These sets are composed of digitized flowers and flower object paintings, and all are formatted to be importable with any program that can utilize Video-Res HAM brushes. The colors are blazing, and the clarity is sharp. FLOWERS #1, two disks priced at \$24.95. About two-thirds of these brushes are original digitized still-video camera objects, while the remainder are carefully designed HAM art brushes. Use them in any environment where flower art is desired. FLOWERS #2, four disks priced at \$34.95. These flower brushes in Video-Res HAM cannot be surpassed anywhere on any system. They wrap around shapes in astounding clarity and brilliance, and offer thousands of possibilities for complementing Amiga visual artwork. They are all original digitizations of real-world natural forms, and are not merely flat surfaces digitized from magazines.

EyeFul Tower Comm. / Earful Tower Prod., 15 Rockdale, Bristol, VT 05443, (802) 453-4293

### Images of Hawaii

Twenty-nine scenes from Oahu, Maui, and Hawaii. Color images in non-interlaced HAM. Ideal for use with multimedia presentations and desktop videos. 1.3 & 2.0 compatible. \$34.95  
GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229

### Images of Japan

Includes 15 scenes from Kamakura, Kyoto, and Nara. Color images in interlaced HAM. Ideal for use with multimedia presentations and desktop videos. 1.3 & 2.0 compatible. \$34.95  
GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229

### Interior Design

A set of furniture parts for use with paint, desktop publishing, and presentation programs. Sixteen screens of furniture images and over 100 brushes. Useful for interior design and concept development. For use with paint and desktop publishing programs. \$59.95

Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### ◆ Madrigal Architectural Master Collection IFF

A set of floor plan and furniture images in plan view for use with paint and desktop publishing programs. Contains over 500 parts depicted on screen. NTSC. \$89.95  
Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### Madrigal Automobile Construction Set, Sports Cars

Interactive clip art design system for use with paint programs. This collection is compatible with other Madrigal Automobile Construction Sets. It contains IFF screen of sports cars from the U.S., Europe, and Asia, made by Chevy, Honda, Jaguar, Lamborghini, Lotus, Mazda, Mercedes, Nissan, Porsche, and Triumph. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. The system is designed to give the user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of sports car design and individual specification sheets. \$39.95

Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### Madrigal Automotive Construction Set, General Collection

Interactive clip art design system for use with paint programs, contains four disks of scaled IFF screens of automobiles from the U.S., Europe, and Asia. This collection contains sedans, sports cars, coupes, wagons, hatch backs, pickup trucks, long haul trucks, and vans. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. The system is designed to give the user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of automobile design and individual specification sheets. NTSC IFF format. \$59.95

Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### Media Line Clipart Disk I

A broad selection of high quality clip art. Able to import IFF graphics. Holidays, Sports, Computers, and Scenery are among the various themes included. Also includes a show utility. Can be used in all paint programs for resizing and modification. \$34.95

Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650

### OLD TIME CARS

This disk is full of IFF-HAM pictures of U.S. collector cars from 1915 to 1964 and comes with an automatic player. DIGITAL ARTS/257 \$20.00  
Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776

### Old Time Cars 1915 to 1964 Collectors Collection

This disk is full of IFF-HAM pictures in 4.096 colors of U.S. collector cars including the Maxwell, Packard, and Mustang. Like all of our disks, it comes with an automatic player program for easy viewing. All pictures can be loaded into your HAM paint program for hours of creative fun; or you can use them with your laser, color, or DMP printer. \$20.00

Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776

### Oriental Desk Top Art Vol.1-Vol.4

Oriental Desk Top Art are clip art files which can be used in desktop publishing applications on the Amiga Computer. The clip art files are black and white, high resolution (640 x 400) images, in IFF format. Oriental Desk Top consists of four volumes. Vol. 1 consists of 60 general oriental art work. Vol. 2 consists of 84 oriental martial art figures. Vol. 3 consists of 84 oriental folk art work. Vol. 4 consists of 140 commonly used Chinese characters. \$29.95 per volume.

Software Integration Solutions, 11027 Twin Pond Terrace, San Diego, CA 92128, (619) 748-3350

### PROPS

The PROPS disks were created to help the registered owners of Brett Casebolt's Scene Generator software in the construction of complete natural graphic scenarios. In addition, many users have found that these disks of images can also help in a host of design projects for both DTP and videographic use. PROPS #1, two disks for \$24.95: Animals, Trees, and Structures in Video-Res HAM. PROPS #2, two disks for \$24.95: Animals, Habitats, and Vehicles in Video-Res HAM. PROPS #3- 'DIGITOWN', three disks of New England rural houses photographed with a digital-still camera, and sold for \$34.95. These images make it possible for the Amiga user to design many rural settings for DTP and video use, as well as for fun. PROPS #4- 'FULL-O-BIRDS', three disks of beautiful full color HAM birds, priced at \$34.95 for the set. These images were scanned from non-copy-righted sources at 200 dpi, and then resized to fit the Amiga screen. The clarity is truly unbelievable, and is a must for DTP and Video Amiga visual experimenters and professionals.

EyeFul Tower Comm. / Earful Tower Prod., 15 Rockdale, Bristol, VT 05443, (802) 453-4293

### ◆ Pro Fills Volume 1 V2.0

Pro Fills Version 2.0 is a collection of 123 patterns and textures created by a professional graphics artist for use in any Amiga IFF application. Includes 60 palettes for instant color changes allowing thousands of variations. Pro Fills will add a professional edge to your video titling and multimedia presentations. The Screen Generator program, now included, will render Pro Fills screens in any Amiga resolution in under 2 seconds, including overscan and NTSC or PAL. The Screen Generator is a solid multitasking program with an intuitive user interface. The Pro Fills manual includes professional tips, illustrated tutorials, and printed examples of each pattern and texture. Requires 512K RAM. AmigaDOS 1.3 and 2.0 compatible. \$49.95

JEK Graphics, 12103 S Brookhurst, Ste. E-125, Garden Grove, CA 92642-3065, (714) 530-7603

### Secrets of an Artist

Secrets of an Artist is the work of a professional computer artist, C. William Henderson of Los Gatos, CA. On this disk he reveals many formulas and underlying concepts through 22 examples and 10 pages of text. Requires Math Vision to run. \$49.00

Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956

# Graphic Arts

## SoftClips

SoftClips Clip-Art is an extensive collection of hi-res, bit-mapped images that are designed for word processing, desktop publishing, video, and multimedia uses. There are four separate volumes in the collection: Classic Clip-Art, People Clip-Art, Collector's Clip-Art, and Animal Clip-Art. Each four-disk volume contains several hundred useful images. \$79.95 per volume. \$79.95 SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

## StoryBook Capitals 3.0

Thirty decorative bitmap alphabets especially designed to liven up your desktop and WYSIWYG applications, newsletters, correspondence, posters, signs, and school worksheets. Large decorative capitals and calligraphy fonts ranging from 50 to 180 lines high, displayable in any resolution. They are easily inserted as brushes into paint, desktop and WYSIWYG programs. 512K RAM. \$44.95 CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

## The Amiga Coloring Book: Borders

Over 50 borders in IFF format. These can be used with your own materials. \$34.95 Dragon Group, The, 148 Poca Fork Rd., Elkview, WV 25071, (304) 965-5517

## The Amiga Coloring Book: Sampler

Assorted clip art in IFF format. Contains objects ranging from architectural tools to rockets, from birds to locomotives. \$34.95 Dragon Group, The, 148 Poca Fork Rd., Elkview, WV 25071, (304) 965-5517

## The Amiga Coloring Book: World

Maps from around the world in IFF format. Can be used for teaching geography, since maps are outlined, and can be printed without names. A section of the U.S. can also be used for letterhead designs. \$34.95 Dragon Group, The, 148 Poca Fork Rd., Elkview, WV 25071, (304) 965-5517

## The Fighter Planes of WW II

Two-disk set full of IFF-HAM interlaced pictures in 4,096 colors of U.S., German, British, Russian, Japanese, and Italian fighter planes that were engaged in combat during World War II, including the British 'Spitfire,' Japan's 'Zero,' and the U.S. built P-40 used by the 'Flying Tigers.' The easy-to-read text files on these disks give you all of the technical data on each plane. You'll be able to use these pictures in your HAM paint programs and print them out on your color or DMP printer. \$35.00

Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776

## War With Iraq, The Fighter Planes

Three-disk set full of IFF-HAM interlaced pictures in 4,096 colors of USA, Russian, Israeli, British, and French combat planes that are currently facing off in the Middle East. Here's where you'll find the Russian 'Fox-Bat,' along with the U.S. F-16, F/A-18, and F-117 'Stealth.' Some of the hottest high-tech hardware in the world today! You'll be able to use these pictures in your paint and desktop publishing programs because they have been converted into all graphic resolutions. Print them out on your laser, color, or DMP. \$35.00 Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776

## ◆ ◆ ◆ PAINT FONTS ◆ ◆ ◆

### AlohaFonts Volume 1

Twenty fonts for use with graphics & desktop publishing. \$19.95 AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

### AlohaFonts Volume 2

Forty-three fonts from 16 to 84 points for use with graphic, desktop publishing, and video production work. \$19.95 AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

### AlohaFonts Volume 3

Forty-one fonts from 16 to 99 points for use with graphic, desktop publishing, and video production work. \$19.95 AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

## ◆ CALLIGRAPHY FONTS: Paint

Good variety of nordic, Old English, script, and decorative fonts for use with paint programs and WYSIWYG word processing programs. Seven typefaces, three to five sizes of each. Workbench-compatible bitmap fonts 20-120 pixels in size. 512K recommended, 1 or 2MB for largest fonts. Includes lots of Amiga utilities and extensive docs. \$99.95 CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

## CalligraFonts/Asha's

A limited edition of new unique fonts. Original art, each disk signed by artist Asha Develder! Sixteen fonts with complementary monochrome fonts for illuminated prints, large initial caps, and exclusive design! Includes KidsBlox Colorfonts in 125 point and 80 point sizes. StainedGlass Colorfonts in sizes 101, 96, and 91 points. 1MB required for use of the large color fonts. \$89.95 Interactive Softworks, 2521 S. Vista Way, Ste. 255, Carlsbad, CA 92008, (619) 434-5327

## CalligraFonts/Lion's

Assorted 150 Amiga bit-mapped fonts in a four-disk set for desktop publishing, and video presentations. Includes 120 B&W fonts in sizes from seven to huge 160 points. There are 30 color fonts in sizes for video titling, posters, and DTP from 20 to 75 points. Recommended by John Foust. \$89.95 Interactive Softworks, 2521 S. Vista Way, Ste. 255, Carlsbad, CA 92008, (619) 434-5327

## CalligraFonts/Novelty

Quickly create a novel look for your next project with this two-disk set of fonts in convenient sizes. Colorfonts include ICE, PENCIL, SKYLINE, SWISSCHEESE, JADE, and STARS & STRIPES. This two-disk set contains 14 Amiga diskfonts (sizes 32 to 84 points), plus 16 ColorFonts (sizes 43 to 84 points). \$69.95 Interactive Softworks, 2521 S. Vista Way, Ste. 255, Carlsbad, CA 92008, (619) 434-5327

## Calligrapher 1.05

Font editor includes ColorFonts and FontMover. Edit size, position, shape, color, pattern, style, kerning and spacing, italic slant, and more. Graphics editor includes brushes, free-hand drawing, paint can, magnify, and more. FontMover copies, deletes, or previews fonts from another disk. Disk checking, font viewing in any resolution, and more. Upgrades to version 1.05 are \$29.95. \$129.95 Interactive Softworks, 2521 S. Vista Way, Ste. 255, Carlsbad, CA 92008, (619) 434-5327

## Floral Animated Fonts

Say it with flowers! Floral animated fonts let any message appear magically inside blooming flowers. Perfect for wedding videos, commercials, and title screens—anywhere you need an attention-getting headline. NTSC/PAL compatible. \$39.95 Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690

## KARA FONTS-AnimFonts® 1

ChromeScript is an eight-color, formal script in caps and lower case, and comes in both a Keyboarded and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk. \$49.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic eight-color font, and comes in both a Keyboarded and AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y-axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## KARA FONTS-AnimFonts® 3

Capsule is a hi-res eight-color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkle goes across each letter from the left to the right. A separate sparkle for custom effects is included. Comes in both keyboard and ANIMfont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## ◆ KARA FONTS-AnimFonts® 4

CHROMEchiselSCRIPT is a hi-res, shiny gothic script ColorFont with caps, lower case with alternate characters (r,z,s,l), numerals, and special characters. Available in 115 point size. Includes both a Keyboard and an AnimFont which wipes on a static image of letter, then the actual letter is wiped on by a laser-type burn. AnimFont can be used with any AnimBrush-capable program. Keyboard font compatible with ColorFont standard programs. Includes hard drive install program, extra palettes, and utilities to use ColorFonts. Two disks. \$59.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## KARA FONTS-HEADLINES

Three-disk set. Featuring 10 hi-res, dimensional, up to eight color, uppercase fonts in two sizes each (approx. 104 and 84 pts. high). Font styles in Chrome, Marble, Brick, and Granite are dragable for added 3-D effects. Other styles are Chisel, Wood, Bevel, Cast, Chiselserif, and Column. \$79.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## KARA FONTS-HEADLINES 2

Two-disk set offers four, new, eight-color fonts in two-three sizes each. ChiselScript: Italic script in upper and lower case. Glass: Transparent uppercase gothic face. Engraved: Dragable, uppercase two-plane shiney font. Embossed: Raised or sunken letters on a surface. \$69.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## ◆ KARA FONTS-HEADLINES 3

Four-disk set offers four TOASTER FONTS converted to 8-color, high-res ColorFont standard for compatible Amiga programs. Dimensional-looking styles: CHROMEserif, GOLDextrude, GRANITEchisel, and MARBLEbevel. Each style comes in three sizes (approx. 76, 100, 124); every font includes full character set of upper and lower case, numerals, and special characters. Includes hard drive installation program, additional RGB and video palettes, and utilities needed to use ColorFonts. \$79.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## KARA FONTS-SUBHEADS

Two-disk set. A scaled-down version of Headlines, offers same unique ColorFonts in two smaller sizes (approx. 72 and 55 points.) New sizes allow a greater range of flexibility in titling without having to reduce and makes it possible to use in lower resolutions at a workable size. \$69.95 Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## Media Line Font Disk I

Contains nine different bitmap fonts for the Amiga. Designed for professional use in video presentation, graphics, animation, and desktop publishing. \$34.95 Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650

## Professional Font Upgrade

Adds microkerning, dithered fonts, large lower case letters to multicolor fonts, a Preview utility, and simpler directory format to versions 3.5 and lower of the Professional Font Library. Includes five diskettes and an expanded manual. Compatible with popular paint and video programs. Requires registration card on file and 1MB. \$24.95 CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

## Studio Fonts, Vol. I

Designed by professional commercial artist Marlin Green, these fonts are ideal for comps and quick presentations. Use in high resolution for demanding video titling and desktop. Includes 17 pre-colored pre-patterned ColorFonts plus 12 mono-color fonts, IFF brushes, and Calligrapher patterns. \$46.25 Interactive Softworks, 2521 S. Vista Way, Ste. 255, Carlsbad, CA 92008, (619) 434-5327

## ◆ ◆ PAINT TUTORIALS ◆ ◆

## VidZeem Volumes 1 and 2

Each VidZeem consists of a two-hour video tape and a two disk set. The two disks include backgrounds for titles and collages, digitized and hand-drawn brushes, ANIMs and ANIMbrushes of people and animals, LED sign font, PalettePlay—a utility designed for manipulating colors in real time, and MBZ. Crawl to move titles and brushes

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# Graphic Arts

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across the screen and over your background. The two-hour videotape includes information on how to use scaled palettes to create still and animated collages; how to add moving spotlights and realistic shadows to animations; remapping to combine images and create new effects; how to use anim fonts; anti-aliasing and resizing titles; reviews and demos of other DTV-related products; helpful DPaint tips. \$11 each or \$19.50 for both. MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009

**WJK.1-The Video Producers Learning Disk**  
Full instructions for beginning and intermediate Amiga-based video producers who wish to see, practice, and learn the most common videographics techniques. Over 40 points are covered, including outlining, resizing, shadowing, thickening, slanting, Texture and Pattern Fills—which teach you how to create patterned backgrounds (you get three), and an introduction to Ordered Dithering. The disk also includes Color Bars, a Grey Scale, and an FBI warning. This disk is used with the DeluxePaint III program disk (not supplied). Everything is in hi-res, and is applicable to industrial video production. Price: \$8, postage: \$2. \$8.00  
Kronemyer, WJ Associates, 280 East Glen Ave., Ridgewood, NJ 07450, (201) 445-1919

## ❖ ❖ ❖ PAINT UTILITIES ❖ ❖ ❖

**Ham It Up!**  
Ham It Up! Allows you to display and print all 4096 Amiga colors via sixteen 256-color charts. No HAM paint program is required. Requires 1 MB RAM. \$39.95  
Delta Graphics, 48 Dighton Street, Ste. 2, Brighton, MA 02135, (617) 254-1506

**ImageFinder**  
ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM or ANIM files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and file name of a selected image can be automatically entered in the file requester of an application. 512K required. \$65.00  
Zardo Software, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945, (916) 274-8311

**PIXmate**  
Image Enhancement software system. Features space-age image-enhancement techniques developed for NASA. Performs over 3,000 special effects. \$69.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

❖❖ **Pro Fills Volume 1 V2.0**  
Pro Fills Version 2.0 is a collection of 123 patterns and textures created by a professional graphics artist for use in any Amiga IFF application. Includes 60 palettes for instant color changes allowing thousands of variations. Pro Fills will add a professional edge to your video titling and multimedia presentations. The Screen Generator program, now included, will render Pro Fills screens in any Amiga resolution in under 2 seconds, including overscan and NTSC or PAL. The Screen Generator is a solid multitasking program with an intuitive user interface. The Pro Fills manual includes professional tips, illustrated tutorials, and printed examples of each pattern and texture. Requires 512K RAM. AmigaDOS 1.3 and 2.0 compatible. \$49.95  
JEK Graphics, 12103 S Brookhurst, Ste. E-125, Garden Grove, CA 92642-3065, (714) 530-7603

**Scannery**  
Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 grayscales. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the Aefax/modem. It features ease of use and installation. \$250.00  
Concise Logic, 36 Tamarack Ave., Ste. 315, Danbury, CT 06811, (203) 746-6739

**Scene Generator**  
Create realistic, natural looking scenery on your Amiga with Scene Generator. Easy to use menu interface gives you instant access to all of Scene

Generator's powerful capabilities. Create everything from a desert to a snow covered mountain peak. Allows control of lightning, snow and water levels, optional clouds, and colors. A preview mode will display a scene in five seconds. Makes great backgrounds for painting or animation. \$49.95  
Natural Graphics, 4603 Slate Ct., Rocklin, CA 95677, (916) 624-1436

**THE COLOR KIT for Deluxe Paint**  
Legal color scales for film and video in hi-res; 132 colors in normal Interlace; 488 colors in halfbright Interlace = 720 colors—all at once on the screen and to be used. \$29.95  
Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066, (215) 664-4955 serv

❖ **TV Display**  
TV Display enables you to visualize 24-bit images on your Amiga without a graphic board, and to convert them into another format. You can check your 24-bit images computed in 3-D, display them in black and white, or in color (HAM mode). If you are using a Harlequin Framebuffer, TV Display allows you to display 24-bit images in any format (for example RGB's Sculpt 3D in 2048 x 1366 resolution) on the screen of your board. NTSC/PAL. UK Sterling free.  
Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583

## ❖ SCIENTIFIC/BUSINESS/ ENGINEERING ❖

❖ **APlot2D**  
A complete general purpose scientific and analysis 2-D color data plotting package. Incorporates many features including separate data and plotting files, automatic and adjustable graph scaling, menus to modify plot size and plot parameters, linear regression analysis, interpolation (linear or cubic spline) and curve, symbols, and color options. Includes linear, log, polar capabilities, and many additional menu driven features. Version 1.2. Compatible with all Amiga machines, WB 1.2, WB 2.0, and NTSC/PAL formats. \$79.95  
AMIGA Tech Scientific Applications, P.O. Box 201, Los Altos, CA 94023-0201, (415) 960-9399

**Aplot Library**  
Lattice C-compatible library of graphics functions for the applications programmer. Supports Scientific/ Engineering/Business charts and graphs. Includes routines for linear/logarithmic, Pie/bar, and polar charts. From simple to complex. \$79.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

**Complex Hooks Disk**  
The Complex Hooks Disk adds complex and polar arithmetic to MathVision. Disk contains hooks and pictures generated using these hooks.  $Z=Z3 + \sin(z)$  etc. Requires MathVision to run. \$79.00  
Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956

**ConvertAplot**  
Printing/Plotting utility which complements the Aplot Library and Engineer's Toolbox applications. Additionally, it can be used stand alone for printing/plotting capabilities with Aegis Draw and Professional Page, Etc. Support HP-GL, Postscript, PCL, Etc. \$49.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

❖ **DataPlot v 2.1**  
DataPlot graphs 2-D data and user specified algebraic functions, with up to 100 datasets per screen, at any resolution from 320 x 200 to 640 x 400. Screen plots can be printed to any Preferences supported graphics printer, or saved as an IFF file or as an editable macro. Many options are available including log axes, error bars, data point markers, direction of increasing X and Y values, and algebraic operation on the data, which may be up to 50 columns. Includes AmigaBasics source code. Requires 1MB RAM, 1 disk drive, AmigaDOS 1.3. NTSC only. AmigaDOS 2.0 compatible. \$12.00  
Bytes and Bullets, Route 3, Box 3532, Manchester, TN 37355, (615) 596-2077

**GenAplot**  
High-level plotting tools for creating scientific, engineering, and business charts and graphs from user data. Pull-down menu/requester interface. Wide variety of file formats, 16 colors in hi-resolution, multiple output devices, and standard graph formats. \$99.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

**Image Review System-Tele-Digitizer, Tele-Radiology**  
The IRS line of TeleRadiology systems are custom, turn-key digitizing and image processing stations. They allow a hospital, clinic, or doctor to digitize medical films and send the patient images over telephone lines or through an ethernet cable to a receiving system. Comes complete with computer, monitor, digitizer and software. FDA approved for marketing.  
National Diagnostic Imaging, P.O. Box 5501, Vienna, WV 26105, (304) 295-8922

**Mandelbrot Variations**  
Mandelbrot Variations contains 23 commented formulas for Doug's Math Aquarium, and 19 of them include pictures. Covers most of the profound ways of viewing the Mandelbrot set, including binary expansion technique, continuous potential methods, differential angles, differential radius techniques, and others. Requires MathVision to run. \$49.00  
Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956

**Multiplot XLNe**  
Multiplot is a fully intuitive data plotting program which plots data points as (x, y) coordinates with or without error bars. It can plot an unlimited number of sets of any number of data points using color, line type, point shape and size to represent the different sets. A set may be joined by a line or plotted as discrete points. Data may be scatter plotted, or shown as a histogram or step graph. Additions to the data may be made in the form of lines of best fit and data smoothing utilizing modified open b-splines or averaging filtration. The input file for Multiplot is a simple text file. Fully supports the clipboard. Output may be in IntroCAD, Draw, CAD, IFF, HPGL2, PostScript, or Encapsulated PostScript. \$20.00  
Immunobiology Laboratory, Massachusetts General Hospital East, Bldg. 149, 13th Street, Charlestown, MA 02129

**Snip**  
Version 1.23 with beta version 2.0. Object-oriented data acquisition, display, and analysis program designed for speed and efficiency. Dataset size limited by memory (4 bytes per point). Displays up to 25 channels on screen (approx. 3000 points per second on 2500/030). Additional scrollable windows display zoom to any resolution. Point and process (100+ functions including FFT, statistics, signal and peak detection). Load and save binary or ASCII data. Conversion utility translates binary from most PC digitizer file formats. Custom interface for adding user functions. NTSC/PAL. Faster machines with hard drives, coprocessors, etc., recommended for large data sets. All versions 99% compatible with V2.0. A/D requires hardware (ACDA Proto-40k and ASDG Twin-X with SBX-311 supported for 12-bit, 16-channel A/D at 30 kHz throughput). \$1000.00  
Digital Dynamics, 739 Navy Street, Santa Monica, CA 90405, (310) 396-9771

**The Engineer's Toolbox-Volume 1, Graphic Tools**  
Volume 1, Graphing tool of the Engineer's Toolbox is a bundled software package composed of the The Aplot Library, ConvertAplot, and GenAplot. See other Engineer's Toolbox's. \$149.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

❖ **image fonts 01**  
A new set of 3-D fonts designed for use with imagine. This 3-disk set includes four styles of one typeface. Styles are Plain edged face, Chisel edged face, Bevel edged face, and Emboss edged face with plain edged center (two piece font). These 3-D object fonts support phong shading for smooth curves, but are designed to allow for sharp, clear edges. Characters are caps A-Z and numbers 0-9. \$29.95  
CRC Productions, P.O. Box 9, Mantachie, MS 38855, (601) 282-7233

# Desktop Video

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## ◆ DESKTOP VIDEO GENERAL ◆

### ◆ AdClips™ Volume One

A collection of 210 commercial-quality video clips. This collection is available with unlimited, royalty-free, non-broadcast reproduction rights, with broadcast rights negotiated separately. The volume contains 48 minutes of footage, with clips ranging in length from 4-41 seconds. For computer desktop multimedia applications, AdClips™ allows users with NTSC or S-VHS video capture boards to cut and paste clips into presentations, without paying for stock footage on a per usage basis. Subjects include: Nature, City Scenes, Historical, Transportation, Wildlife, Recreation, Lifestyles, and Corporate/Industrial. Available in professional formats: VHS, S-VHS, Hi-8, and 8mm. Also available in commercial formats (with an upcharge to cover dubs): 1-inch and Betacam at \$424, .75-inch at \$349. \$299.00  
Mediacom, Inc., P.O. Box 36173, Richmond, VA 23235, (804) 794-0700

### AlterImage Genlock

The AlterImage Genlock allows Amiga users to easily and affordably turn their computer into a complete desktop video workstation to add titles, graphics, and special effects to home videos and presentations. Works with AlterImage Video F/X. A toggle switch allows the user to view the video and the graphics separately or in mixed form. \$249.95  
Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

### AlterImage Video F/X

A new desktop video program that lets users give a professional touch to their videos by adding titles, graphics, and special effects. With a simple hardware configuration consisting of a video source such as a camcorder, plus a VCR, and a genlock video interface, AlterImage Video F/X provides users with all the software tools to transform the Amiga computer into a complete desktop video workstation right at home. The user can choose from a variety of title fonts and colors, plus a complete library of video clip art graphics specially designed for superimposing over video images. Rules, borders, frames, and panels are also easy to create in a full spectrum of colors for added visual excitement. Using the video effects menu, titles can be made to zoom, scroll vertically, or crawl horizontally across the screen. Screen 'wipes' can also be added between scenes to create dramatic transitions. AlterImage F/X is provided on three 3.5-inch diskettes—one containing the program itself, one containing the font library, and one containing the video clip art library. 1MB required. \$199.95  
Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

### ◆ AmiLink 2.0 Pro

Frame accurate A/B-Roll/Cuts-Only video tape editing system. Complete control of editing functions using mouse, keyboard, joystick, and trackball. Keyboard layout is industry standard (CMX/GVG). Edit list creation and manipulation (ripple, clean tail, sort by any field, cut and paste,

data xfer), import and export CMX 3600 format text list. MS-DOS support. Match Frame edits: Match OUT, AutoMatch Recorder, Match Recorder, Match Source, Location Match, Match Now. Control up to 16 source and four record VTRs. Soft patching for control signal routing. Interformat editing, use both parallel and serial VTRs together. Time Lapse, Single Frame, and recorder-only edits. Serial switcher and multi-GPI control. Open-ended immediate/delayed-roll edits. True delayed B-roll. Special Music Video mode allows editing to the beat of music/dialogue. Cuts-Only Serial \$4380; A/B-Roll Serial \$5994. AmigaDOS 2.0 compatible. NTSC or PAL available. \$4380.00  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### ◆ AmiLink/CI AB-Roll

Controls three VCRs, two sources, and a recorder for A/B-Roll editing with Panasonic AG-1960 video decks. Functionally identical to the professional version of AmiLink 2.0 and AmiLink/VT. Perform advanced edit list based A/B-Roll editing with all the frills of professional post-production systems. CMX 3600 list import/export for off-line editing. Video Toaster control option. Toaster control identical to pro version AmiLink/VT. AmigaDOS 2.0 compatible. NTSC or PAL available. \$1595.00  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### ◆ AmiLink/CI Cuts-Only

Controls two VCRs. A special version of AmiLink 2.0 for the industrial video market. Functionally identical to the professional version of AmiLink. Does everything except split edits. Edit list compatibility with AmiLink and CMX 3600. Edit List creation/auto-assembly. Video Toaster control optional. Operates most Control M and L VCRs and some Camcorders. AmigaDOS 2.0 compatible. NTSC or PAL available. \$995.00  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### ◆ AmiLink/E.S.P.

AmiLink Electronic Support Program. Automated download and de-archive tool for the RGB Technical Support Bulletin Board. This utility program allows registered users of AmiLink who do not have computer telecommunications experience to easily access the RGB TBBS and automatically download and decompress software updates and pd/shareware utilities. Experienced computer telecommunications users will not need this package. It was designed for the video professional who does not have experience with or time for modems and BBs. AmigaDOS 2.0 compatible. NTSC or PAL available. \$100.00  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### ◆ AmiLink/O.L.G.

The AmiLink On-line Editor's Guide. On-line Hypertext documentation, reference and tutorials for the AmiLink family of video tape editing systems. Uses Commodore's new Amiga Guide system. For registered users of AmiLink. AmigaDOS 2.0 compatible. NTSC or PAL available. \$150.00  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### ◆ AmiLink/REMOTE!

Special remote control system for AmiLink/VT. Allows AmiLink/VT to control the Video Toaster from a second (any model) Amiga Computer. AmigaDOS 2.0 compatible. NTSC or PAL available. \$150.00  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### ◆ AmiLink/VT Pro

All of the features of AmiLink 2.0. AmiLink/VT provides integrated control of NewTek's Video Toaster in a post-production environment. One keyboard and mouse control all phases of the creative process. AmiLink/VT runs concurrently with the Toaster in a single Amiga computer. Dissolves, Wipes, Toaster Digital Effects, Digital Video frame stores, and the Character Generator pages are called up automatically when the edit is performed and stored in the edit list. This makes unattended list Auto-Assembly possible. Provides Single-Frame control for recording LightWave animations to tape or optical disk. Recorder only edits for DV1/2, live camera sequencing. Cuts-Only Serial \$4630; A/B-Roll Serial \$6245. AmigaDOS 2.0 compatible. NTSC or PAL available.  
RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### Animation: Titler

Professional real-time titler and character generator, including hi-res, overscan, true scrolling direction, and looped playback. \$79.95  
Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443

### Animattes: Wedding Series

Now available Volumes 1 and 2. A collection of self-running graphic routines to use when producing a wedding video. It works on any Amiga/Genlock combination and is completely icon driven for easy point-and-click operation. Once the animatte is running there is no worry about remembering which key to hit because hitting any key other than the ESC key will cause the animation to progress to the next appropriate action. Eleven routines to mix and match. Each routine is ready to use straight out of the package, or can be personalized by the user. Compatible with DeluxePaint III for user modification. A tutorial included in the manual gives step-by-step instructions on modifying the Animattes. Three unprotected disks. \$39.95  
Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216, (414) 444-9981

### ◆ AutoPrompt

A scrolling script prompter designed for TV script prompting and information displays. Developed with flexibility, simplicity and speed as the primary design considerations. AutoPrompt has two interleaved components, Prompt mode and Edit mode which can be swapped at will. Prompt mode features, among other things, text mirror imaging, used selectable fonts, an optional message window for passing messages to the reader while scrolling, variable scroll speed and direction, and a continuous mode for use as an information display. The built-in edit mode is an easy-to-use text editor featuring search, replace, place markers, margins, and insert. Text can be imported from either ASCII or IFF FTX formats. NTSC or PAL. European characters fully supported. AmigaDOS 1.2, 1.3, or 2.0. \$295.00  
DigiSoft, 12 Dinmore Street, Moorooka, Brisbane, Queensland, Australia 4105, (011) 617-277-3255

### ◆ Broadcast Titler 2

InnoVision Technology introduces a major upgrade to its professional character generator. Broadcast Titler 2 has a new convenient keyboard/mouse-driven interface, additional line and page transitions, and more on-line storage for standard Amiga and color fonts. Edit up to 600 pages of text and graphics. Display 16 colors per line of text, rather than the Amiga's 16 colors per high-resolution overscan page. Import IFF brushes and pictures as backgrounds or textfills. Page and line transitions include ROLL, CRAWL, FLIPS, WIPES, SPIRALS, CYCLLE, etc. Broadcast Titler 2 suits a wide range of professional video applications. Requires at least 512K chip RAM and 1MB fast RAM. AmigaDOS 2.0 compatible, NTSC/PAL

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versions. \$389.95

*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577, (510) 638-8432*

## ◆◆ Broadcast Titler 2/Super Hi Res

Broadcast Titler 2/Super Hi Res contains all editing functions from BT2 in addition to operating in the Super High Resolution mode. Commodore's ECS Super Denise chip doubles the horizontal screen resolution to a true 35-ns 1472 x 480 pixel resolution. The program's anti-aliased fonts improve the apparent resolution even further. Convert any standard Amiga font to Super Hi-Res with the Font Enhancer. Simultaneously display regular hi-res and Super hi-res on the same page! Requires 1MB chip RAM with 512K fast RAM and ECS Super Denise chip. AmigaDOS 1.3 and 2.04 compatible. \$499.95

*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577, (510) 638-8432*

## ◆ ChromaKey+

Allows video on video, or video on graphics. Works with the Video Toaster's keyhole effect for complete control through the Video Toaster. Cables provided for standard Amiga genlock usage or for Video Toaster. New version has higher video bandwidth, special Chroma separator circuit for standard video, and separate Chroma input for SVHS sources. A new linear key output is provided for the Video Toaster, along with a 1-volt, 75-ohm terminated or 5-volt TTL hard key output. \$395.00

*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

## ◆◆ CyberEdit V1.0

CyberEdit is a complete, user-friendly video editing package. Works with a large number of VCRs and camcorders. High editing accuracy. Supports SMPTE if available. Assembly, Insert, and Freeze Frame edits. Rehearsal mode. Multiple source tape support. Simultaneous player and recorder control. Full Amiga-sized user interface. Fast cut/paste list editing. Mouse-based transport and shuttle controls. Constant visual status feedback. ARexx compatible. Uses Future Video desktop controller. Requires 2MB RAM, AmigaDOS 2.0. \$395.00

*Cybercall, Inc., 20 Cleveland Ave., Highland Park, NJ 08904, (908) 249-9883*

## DPS Personal TBC II

Infinite window plug-in TBC card compatible with Amiga 2000 series and all IBM PC and other ISA bus computers. Software control of proc. amp, timing, and color balance. ARexx support. NTSC or PAL. \$995.00

*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## ◆ DPS Personal V-Scope

Waveform monitor/vectorscope on a plug-in PC card. Provides full or quarter screen representations of waveform and vector displays on your video monitor with better than 1% accuracy. NTSC and PAL. \$995.00

*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## DeluxeVideo III

Provides complete control over Amiga's graphics, animations and sounds. With its visually-oriented interface, DeluxeVideo III adds full integration of sound effects, music, and MIDI to make complete audio-visual presentations. It can be used to create interactive demos, animated cartoons, or other types of video presentations using the full range of Amiga graphics, animation, and sound. These videos can be recorded on videotape or played back through the Amiga. In addition, DeluxeVideo supports object-oriented interactivity for HyperCard™ like flexibility. DeluxeVideo III supports all Amiga resolution modes (including HAM, hi-res, and interlace), super bitmaps, high speed animation, MIDI output, and IFF standard sound and music files, and is the only program that has full DeluxePaint III capability. \$149.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ Draw4D-Pro

3-D video and desktop publishing. 3-D graphics and animation. Fast, direct window into 3-D space. Elegant wide angle zoom, rotation controls. Mouse, menu, gadget, keyboard support. Multitasking. Polygons of any number of sides. Powerful modeling/animation tools. Animation preview. Interruptable Z-buffer redraw. Saves IFF, IFF-24, DCTV, Anim, PDraw clip formats. IFF bitmap textures. Facet, Gouraud, Phong shading. Unlimited light sources that can be textured/change color and intensity. Unlimited deform levels. Eye Path. Direct DCTV support. Resolver support available. NTSC/PAL. Foreign distribution. Requires 2MB min. AmigaDOS 2.0 compatible. \$349.00

*Adspec Programming, 467 Arch St., Salem, OH 44460, (216) 337-3325*

## ◆ Elan Performer 2.0

For live presentations or cueing imagery for recording tape. Elan Performer 2.0 is the only Amiga program designed exclusively to give you realtime control—just press a key or click the mouse to display more imagery and animation formats than any other program. Full ARexx support including Elan MIDI and recorder. Powerful utilities cut animations into frames, splice imagery into an animation, or convert animations between ANIM and Riff formats. AmigaVision and AmigaDOS release 2 compatible. Requires 1MB RAM. \$149.00

*NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

## Feature On A Floppy

A two-disk set packed with over 100 individual forms as used in the motion picture industry to assist in the creation of feature films, television productions, and commercials. Includes script, treatment, synopsis and storyboard formats, daily production reports, breakdown sheets, camera and sound sheets, location agreements, artist- and crew-deal memos, contracts, continuity report, extras details, daily assistant director's report sheet, and more. Each form is supplied with full explanatory notes. ASCII (text) format: \$38.95 U.S.; PPage (v2.0) format: \$48.95 U.S.

*Nodette Enterprises Pty., Ltd., P.O. Box 584, Box Hill, Vic 3128, Australia, (613) 808-7036*

## GENamations

Especially designed for Amiga genlock-encoder owners and users, these animated sequences have special Color 0 capacities, allowing the non-Amiga signal to be framed in the animation. They are all in 32-color lo-res overscan, so that users wishing to edit the results will have to use a 'set lace' function in their video software. These are the first of a multiple series of offerings in the GENamations series, and include a dozen useful genlockable animations for segueing scenes and video experimentation. Two disks. \$49.95

*EyeFull Tower Comm. / Earful Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## ◆ Interplay Amiga

Interplay Amiga is a desktop production system which allows productions to incorporate images, samples, music, and animations. VAXL video text programs and ARexx macros can be launched from on screen buttons. Freeflow layout system requires no programming experience and creates completely stand-alone productions. Ideal for presentations, POS, and POI. Price TBA.

*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (0111) 4445-555-8282*

## JMH Easy Titrer 2.0

Version 2.0 accepts additional fonts, uses overscan with all resolutions of IFF screens for backgrounds, and has 54 transitions to take you from screen to screen. This titling package/character generator will autoboot and is ideal for unattended use; it will also allow single stepping through your slideshow to make it the ideal tool for your live presentations. The script for the JMH Easy Titrer permits up to 75 screens. \$49.95

*JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464*

## Mandala® Virtual World Authoring Software

Vivid's Mandala® VR System is a unique multimedia virtual world technology which pulls your image into the computer using a real time video

digitizer and camera, giving you hands-free interactive control of multilevel, multistate animations that you view on any video display. You don't have to wear, touch, or hold anything. Just reach out and, through 'video gesture,' trigger visible or invisible icons to body paint, score points, manipulate animations, or play music. The software is an authoring package allowing you to create your own interactive virtual environments. Version 2.0. Compatible with A500/1000/2000/3000. Requires 1MB, A-Squared Live! Video Digitizer board, video camera. Optional hardware: MIDI synthesizer, laser disc player, genlock, chroma keyer. NTSC: \$595, PAL: \$795.

*Vivid, Inc., 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9, (416) 340-9290*

## MediaBase Program

Provides interactive database access to audio-visual segments stored on laser and compact disk, and video and audio tape. Device control and external program execution entries can also be activated. Custom graphical interface screens are available for touch screen kiosk environments. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Desktop Video System

The MediaPhile Desktop video production system now offers fades, wipes, and dissolves from the NewTek Video Toaster. Edit decision list commands control the Toaster, video decks, camcorders, and infrared devices like compact and laser disk players to produce professional quality video tapes. The system supports A/B-roll editing from two-player decks to a recorder, insert editing, genlock and switcher control, animation and title control, and accurate SMPTE time code tape positioning. Multimedia device control from AmigaVision, Showmaker, CanDo, Scala, and other popular presentation programs is done through an ARexx interface to the MediaPhile executive library. A Programmer's Toolkit is also available for BASIC and C-Language programmers. Complete SMPTE time code, video production and presentation systems including a computer and video deck start at \$2,995.

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Programmer's Toolkit

The MediaPhile Executive library provides complete interactive control of video decks, laser and compact disc players, and other infrared-controlled devices. Function calls allow multiple devices to be controlled via infrared and serial commands sent through MediaPhile controllers. Video tape position and SMPTE time code can be read and updated through library function calls from your application program. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Servers Programs

A collection of software interface modules that provide third party programs with control of video decks, camcorders, and laser and compact disc players through MediaPhile controllers. Currently, support is provided for AmigaVision, Scala, CanDo, The Director, Showmaker, and all ARexx compatible programs. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Utility Programs

The MediaEditor program included on the Utilities disks provides easy-to-use edit decision list management for 'cuts' video editing. A source video tape is 'logged' in, and the scenes are previewed and recorded automatically under computer control. The MediaController Utility program provides screen icon and keyboard control for editing, titling, and animation recording. The TC Gen utility program generates SMPTE time code directly from the computer audio port without the need for additional hardware. \$200.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaProcessor Program

This professional edit decision list management program controls over 15 devices, including three player video decks, a switcher, a special effects

# Desktop Video

generator, DAT and audio cassette decks, compact and laser disc players, and a recorder video deck. The perfect choice for A-B roll editing with Toaster control and SMPTE time code tape positioning. \$200.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## ● Olo Backs 1

These are 16 color, hi-res overscan backgrounds intended to support and enhance written foreground text. The intention is to use any professional colorfont, like Kara Fonts or Olo Fonts, that use only the first eight color-registers. Such fonts will easily be applied onto these backgrounds. Olo Backs only use the last eight color registers of all the 16 in each hi-res picture. That leaves the first eight at the disposal of the colorfont and makes it very comfortable and fast to create beautiful screens while still preserving the palettes of both the background and the colorfont. Olo Backs 1 are available in both NTSC- and PAL-format. The two versions are almost identical. Olo Backs 1 consists of two main themes. There are approximately 25 motifs with variations on tubular shapes and 10 motifs with variations on tile shapes. Some motifs have a dazzling 3-D approach whereas others create a more subtle 2-D background. Note that these pictures require Super Fat Angus. All motifs are supplied with 15 different color-palettes making a total of well over 400 different pictures possible. Two disks and a thorough 20-page user-manual in English included. Requires 1MB Chip RAM minimum. AmigaDOS 2.0 compatible. \$49.95  
*Arto Vinjett, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702*

## ● Olo Backs 2

These are 16 color hi-res, overscan backgrounds intended to support and enhance written foreground text. The intention is to use any professional colorfont, like Kara Fonts or Olo Fonts, that use only the first eight color registers. Such fonts will easily be applied onto these backgrounds. Olo Backs only use the last eight color registers of all the 16 in each hi-res picture. That leaves the first eight at the disposal of the colorfont and makes it very comfortable and fast to create beautiful screens while still preserving the palettes of both the background and the colorfont. Olo Backs 2 are available in both NTSC- and PAL-format. The two versions are almost identical. Olo Backs 2 consists of four main themes. There are approximately five motifs with variations called thread shapes, two on marble, two on diamond, and 10 motifs with variations called fence shapes. Some motifs have a dazzling 3-D approach whereas others create a more subtle 2-D background. Note that these pictures require Super Fat Angus. Marble motifs comes with 10 different palettes. All others are supplied with 15 making a total of at least 275 different pictures possible. Two disks and a thorough 20-page user-manual in English included. Requires 1MB Chip RAM minimum. AmigaDOS 2.0 compatible. \$49.95  
*Arto Vinjett, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702*

## ● Our Wedding

Twenty-five computer graphic still images that your bride has been waiting for. Our Wedding contains full color embossed, 3-D, and pastel wash images. Used by both professional wedding videographers and home video enthusiasts to add a touch of class to that most important event. The 24-bit IFF version allows you to choose NTSC or PAL broadcast formats, or any custom resolution from postage stamp size to 2048 x 2048. Compatible with AmigaDOS 2.0. \$89.95 in 24-bit IFF; 69.95 in HAM format. \$89.95  
*Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508*

## ◆ Personal Series Expansion System

Dual rackmount chassis for Personal TBCII, VDA, or V-Scope cards. Includes front panel controls and serial port. One rack unit high. NTSC or PAL. \$595.00  
*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## ◆ Personal Switcher

Allows linear mixing of synchronized video sources for true fading, wiping, and keying via any 0-1V key input. The four-input version will allow for layered keying and three independent key inputs. Can be used with multiple Video Toasters to provide truly amazing effects or with other video equipment. Fits in XT card slot in any Amiga 2000/3000 or PC. NTSC/PAL. Available July 1992.  
*Electronics To Go, 9896 SW Freeway, Houston, TX 77074, (713) 933-0788*

## ◆ Personal VDA

This 1 x 4 Video Distribution Amplifier drives four 75-ohm terminated loads from one video output. Plugs into any Amiga 2000 series or IBM compatible (ISA) expansion slot. NTSC or PAL. \$150.00  
*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## ◆ Pro Fills Volume 1 V2.0

Pro Fills Version 2.0 is a collection of 123 patterns and textures created by a professional graphics artist for use in any Amiga IFF application. Includes 60 palettes for instant color changes allowing thousands of variations. Pro Fills will add a professional edge to your video titling and multimedia presentations. The Screen Generator program, now included, will render Pro Fills screens in any Amiga resolution in under 2 seconds, including overscan and NTSC or PAL. The Screen Generator is a solid multitasking program with an intuitive user interface. The Pro Fills manual includes professional tips, illustrated tutorials, and printed examples of each pattern and texture. Requires 512K RAM. AmigaDOS 1.3 and 2.0 compatible. \$49.95  
*JEK Graphics, 12103 S Brookhurst, Ste. E-125, Garden Grove, CA 92642-3065, (714) 530-7603*

## ● Pro Video CG II

Features include six alphanumeric font styles each in nine sizes. Six styles of Cinnamon Fonts (eight color) for the program. All registered owners of Pro Video CG II will receive a Font Conversion Utility. The Utility will convert old Pro Video fonts and standard bit-mapped Amiga fonts. Line sizes from 16 to 144 scan lines. Increment line size and baseline independently, before, after or during the editing of the line. Other features include auto kerning, selectable spacing between characters, a choice of space sizes when the space bar is pressed, and manual kerning for character's offset from the baseline. NTSC only. AmigaDOS 2.0 compatible. Upgrade: \$99.95 \$199.95  
*Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

## Pro Video Gold

Real-time on-line character generator. Minimum of 100 pages in memory. Two color and four color pattern attached to any font. Four levels of color cycle or flash. Create quick backgrounds, with 100 real-time line and page transitions. Anti-aliased fonts and IFF picture importation requires more than minimum memory requirements. A1000, A500, A2000 WB 1.3 minimum 1MB total memory required. NTSC only. \$169.95  
*Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

## Pro Video Plus

Real-time on-line character generator. Minimum of 100 pages in memory. Two-color pattern attaches to any font. Four levels of color cycle or flash. Create quick backgrounds, with 100 real-time line and page transitions. IFF picture importation supported with additional memory. English, German and Swedish fonts standard. A1000, A500, A2000 minimum 1MB total memory required. PAL only. \$199.95  
*Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

## ● Pro Video Post

Real-time character generator. Anti-aliased fonts, up to 2600 pages in memory. Reduce, enlarge, rotate, and move images for placement. Includes 100 page and line transitions plus 84 digital video effects accessed in real-time. Import IFF images or create quick backgrounds. English, French, German, and Swedish characters standard. NTSC-\$269.95, PAL-\$299.95. Requires 1MB chip and

2MB fast RAM. AmigaDOS 2.0 compatible.  
*Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

## ◆ RG320C RockKey

The RockKey is a keying device which offers capabilities of chroma keying, luma keying, and color splitting. It can be used to create such studio-like effects as overlay, graphic sandwich, key sandwich, graphic window, key window, graphic label, and key thru. It is designed to work with most genlocks and is available in NTSC and PAL.  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

## Roll'em!

Roll'em! is an automatic teleprompting and titling program. Roll'em! is powerful enough to satisfy the most demanding of professional applications, yet simple enough for the amateur video enthusiast to master! Roll'em! includes a well-documented easy-to-follow manual which is comprised of tutorial and reference sections. Easy-to-follow examples facilitate the fastest user start-up possible. Still credits or titles are also possible. Roll'em! can be operated from the computer, or remotely by the speaker. Use a joystick or a footswitch to control the script. \$149.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## ◆ SCALA 500 Home Video Titler

A complete titling package for the home video enthusiast. A genlock, an Amiga 500, and this program are all you need to add scrolling titles, texts (3-D, drop-shadowed, underlined, etc.), and clip art effects (like talking bubbles) to your home videos. Choose a background or none for genlocked graphics, add text with special screen fonts, add effects and timing and you have a production ready for video recording. Includes hundreds of clip art symbols and a large variety of special effects. Gives you all you need to bring life to your own home videos. \$149.00  
*Scala, Inc., 12110 Sunset Hills Rd., Ste 100, Reston, VA 22090, (703) 709-8043*

## SCALA Video Studio

SCALA Video Studio is both a character generator and a multimedia presentation tool. Combines digital sound files, graphics, animations, texts, special effects, screen fonts, and symbols into a 'looping' or an 'interactive' presentation. Program comes on eight disks which include artist-designed backgrounds, symbols, layouts, palettes, and very large fonts. Text features include real time antialiasing of fonts and brushes, super imposition, 80+ wipes, buttons, 3-D, tilt, underlining, drop shadows, layout templates, palettes, symbols, animation pre-loading/playback and continuous title scrolling. Provides an easy-to-learn interface with three user levels. Output can be run from the screen or transferred to different media for exciting video presentations and effects. \$295.00

*Scala, Inc., 12110 Sunset Hills Rd., Ste 100, Reston, VA 22090, (703) 709-8043*

## ◆ Screen-Maker 2.2

Re-release of the 100 deep-color broadcast background images at a more affordable price. Using compression format techniques, 25MB of data is now stored on only four disks, instead of the original 36. When you choose an image to display, the file automatically decompresses it. You can choose NTSC or PAL broadcast formats, or any custom resolution from postage stamp size to 2048 x 2048. All images were created on mainframe broadcast computers and digitally transferred to meet Amiga's 24-bit IFF color specifications. AmigaDOS 2.0 compatible. \$99.95  
*Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508*

## Screen-Maker Top 40 HAM Images

Forty digitally reformatted images from the 24-bit IFF version of Screen-Maker. Allows users to take advantage of the images that were conceived on broadcast mainframes, and then transferred to conform with Amiga HAM color specifications. \$79.95  
*Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508*

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## ◆◆ Simpatica

A professional, single-frame video rendering system which allows all Amiga and 24-bit graphics to be laid down on video frame by frame. Also features image-based editing system, video tools (clock, color bars, etc.), deck dynamic motion control, onscreen time code or control track, stop motion system. Complete plug and go hardware and software package. A must for all video studios. NTSC and PAL compatible. Looking for overseas distributors. Requires A2000 and hard disk, minimum 2MB RAM. Video deck must support Sony S9 Protocol, i.e., Sony V09850 deck. AmigaDOS 1.3 and 2.0 compatible. \$1700.00  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

## ◆◆ Smooth Talker

Smooth Talker is a prompting program and controller for use on any Amiga. It produces a full screen prompting display which can be vertically scrolled in either direction using the remote control to smoothly vary the speed. Any Amiga font can be used, displayed as black or white or the reverse. The script may be imported from a WP/ASCII file, or prepared and marked up using the built-in editing facilities. Auto PAL/NTSC switch. Requires 512K, one disk drive, AmigaDOS 1.3/2.04. Price (includes remote control): \$200, £120.  
*Zen Computer Services, 2 Silver Birch Grove, Swinton, Manchester M27 1FS, England, (011) 4461-793-1931*

## StarsFX™

A user-navigated moving starfield flyby animation kit; Experiment, create, design, fly, record, save, playback, combine, change patterns and colors and sounds. Online doc. NTSC/PAL. \$29.95  
*Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448*

## SuperPrompt

SuperPrompt is a high resolution variable scroll speed teleprompter. SuperPrompt's text editor can be used to quickly enter text for scrolling, or ASCII text files can be imported from Amiga word processors. Scroll text at 10 different speeds adjustable on-the-fly. Includes ten programmable director's prompt messages to flash cues on screen. \$599.95  
*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577, (510) 638-8432*

## ◆ TV\*SHOW V2.0

The famous special effects slide show generator is better than ever. Now it's your graphics, animation, and sound slide show generator. Performs wipes, reveals, pushes, and more. Add speech. Many features. Now supports ANIM's and digitized sound. AmigaDOS release 2 compatible. Recommended 1MB RAM, two disk drives or hard drive. Users of the original TV\*SHOW can upgrade to TV\*SHOW Version 2. \$99.95  
*Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015, (602) 246-4238*

## ◆ TV\*Text Professional

Produce eye-catching lettering and graphics for video titling and desktop presentations. TV\*Text Professional's package contains a program disk, three font disks containing Zuma Fonts Volume 1, 2, and 3, and a 220-page spiral-bound User's Guide. With a click of your mouse, TV\*Text Professional renders text, shapes, and objects in any number of colorful and dazzling styles. Full IFF image compatibility means you can use TV\*Text Professional with variety of graphics and animation programs, including TV\*SHOW™ special effects slide show program. Users of the original TV\*Text can upgrade to TV\*Text Professional and should contact Zuma Group for further information. AmigaDOS release 2 compatible. Recommended 1MB RAM, two disk drives or hard drive, preferences supported printer. \$169.95  
*Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015, (602) 246-4238*

## ◆◆ Texture City Image Library Pro 15 #2 24-Bit

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects, and hundreds more. Each image severe overscan sized and compressed

in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and titling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 15 individual full screen images in four separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$119.95  
*Texture City, 3215 Overland Ave., #6167, Los Angeles, CA, 90034, (310) 836-9224*

## ◆◆ Texture City Image Library Pro 15#1 24-Bit

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects, and hundreds more. Each image severe overscan sized and compressed in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and titling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 15 individual full screen images in 11 separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$119.95  
*Texture City, 3215 Overland Ave., #6167, Los Angeles, CA, 90034, (310) 836-9224*

## ◆◆ Texture City Image Library Pro 40-DCTV

These professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects. Each DCTV image is severe overscan in size and ready to use in DCTV. Images may be used for video backgrounds and inclusion in images created with DCTV. Set includes 40 individual full screen images in 12 separate categories. NTSC and PAL. Requires A500/2000/3000, 2MB. Hard drive recommended. AmigaDOS 1.3 and 2.0 compatible. \$119.95  
*Texture City, 3215 Overland Ave., #6167, Los Angeles, CA, 90034, (310) 836-9224*

## ◆◆ Texture City Image Library Pro 40-HAM

These professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects. Each HAM image is severe overscan in size and ready to use in D-Paint IV, Spectra Color, Digipaint, Macropaint, and many 3-D programs. Images may be used for video backgrounds and for mapping in 3-D programs. Set includes 40 individual full screen images in 12 separate categories. NTSC and PAL. Requires A500/2000/3000, 1MB min. Hard disk recommended. AmigaDOS 1.3 and 2.0. \$119.95  
*Texture City, 3215 Overland Ave., #6167, Los Angeles, CA, 90034, (310) 836-9224*

## ◆◆ Texture City Image Library Pro 60 #1 24-Bit

Hi-res true color 24-bit images for video, 3-D, and print. Professional quality textures include animal skins to scenics, quarry marbles to metals, hand-blown glass to special effects, and hundreds more. Each image severe overscan sized and compressed in the latest JPEG compression format. Integrated decompressor and viewer utility included. Viewer lets you browse entire image library at click of button. Images may be used for video backgrounds and titling, with 3-D design and animation programs for image mapping and in-print layout programs. Set includes 60 individual full screen images in 13 separate categories. Totally different images than those in the other 24-bit sets. NTSC and PAL. Toaster compatible. Requires A500/2000/3000, 2MB min., hard disk. Accelerated machine recommended. AmigaDOS 1.3 and 2.0 compatible. \$299.95  
*Texture City, 3215 Overland Ave., #6167, Los Angeles, CA, 90034, (310) 836-9224*

## V.I.P.

This multiple-output video adapter is a tool for the desktop video enthusiast. Providing superior quality Composite out and SVHS Out, this device

allows your Amiga to be interfaced with virtually all video hardware producers that require a Composite or SVHS signal. Additionally, an RGB pass-thru is provided so that you can monitor the signal transmission on your Amiga monitor. For output to videotape this device is a must. It works on all Amiga systems. \$129.00  
*DigiFeX Corporation, 610 Main Street, Oregon City, OR 97045, (503) 656-8818*

## Vermont Seasons

These disks are packed with dozens of seasonal images of Vermont as it appears through the four seasons of the year. All of the digital still-photographed material is in lo-res HAM. There are four three-disk sets, and with them you can travel through all of the colors of autumn, the blue-white cold of winter, the light green haze of spring, and the lush tropical warmth of summer. Useful as educational references, video backdrops, DTP fills, and as beginnings for original electronic montages. A 12-disk set. \$129.95  
*EyeFul Tower Comm. / Earful Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## ◆ VidGen 2.0

VidGen is a program that creates professional quality backgrounds in seconds based on your design, color scheme, and creative input. Version 2.0 features many new design options including drop shadows, full color, continuous scrolling, and shaded backdrops using included or custom symbols. VidGen was designed to save you time in creating video productions and business presentations. You create backgrounds by loading any of the standard symbols included with VidGen, one of your own symbols or brushes, or any standard clip art. Highlights, embossing, and tiling are done automatically. With VidGen's default settings you don't have to modify the background, but instant changes can easily be made using simple graphical controls. You can display the background (still or continuously scrolling) in overscan for video recording. Finally, you can save the background as a project for later re-loading and modifying in VidGen, or as an IFF graphic for use with other software such as titling, paint, and presentation software packages. A free demonstration disk and upgrade information are available from Microft Software. AmigaDOS 2.0 compatible. \$149.95  
*Microft Software, Ltd., P.O. Box 1072, Exton, PA 19341, (215) 642-7638*

## ◆ Video Animation Controller

Hardware controller for serial and parallel video decks. Can be expanded to AmiLink cuts or a/b-roll editor. Works with LightWave and RGB's Animation LINK! software package. LTC time code in via nine pin or RCA. Serial vtrs \$995; Parallel vtrs \$1350; VITC/LTC/MTC reader generator option \$500. Available in 19-inch rack or half-rack sizes. 19-inch rack option included with time code generator, extra cost without generator option. AmigaDOS 2.0 compatible. NTSC or PAL available. \$5.00  
*RGB Computer & Video, 4152 Blue Heron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348*

## Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer on how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$39.95  
*TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

## ◆ VideoDirector

A complete system for quickly and easily editing video tape, and consists of the software, a universal learning Infrared remote controller, and a serial port interface for controlling VCRs or camcorders equipped with remote, Control-L or LANC inputs. A simple push button interface makes it possible for anyone to easily assemble their favorite videotaped moments into a single smoothly recorded tape, in a fraction of the time required for manual editing. Editing features include copying, cutting and pasting of clips and groups of clips. To allow the addition of titles or graphics to video,

# Desktop Video

VideoDirector will support a genlock. Will run on any Amiga with at least 512K RAM. \$199.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## WJK Graphic Backgrounds Preview Video

This comprehensive hi-res collection with over 100 backgrounds is distinguished by high-end graphics emulation; color zero never used; color 1 available for titling with other colors for outlining and shadowing; little flicker; compatibility with Kara Fonts and Pro Video Gold/Post; purchase only what you need, when you need it, in IFF file. This video—for previewing only—shows you actual second generation backgrounds followed by a special section, 'Putting It All Together,' which shows creative ways of combining titles with these backgrounds. Musical accompaniment. Price: \$8, postage: \$2. \$8.00  
*Kronemyer, WJ Associates, 280 East Glen Ave., Ridgewood, NJ 07450, (201) 445-1919*

## ts-Prompt

Professional teleprompter software. Includes 1000 scroll speeds controlled by mouse or keyboard; reverse and inverse view modes; ASCII text file imports; print option; and a clear, intuitive 'point-and-click' user interface. System requirements: Any Amiga 512K, AmigaDOS 1.3 or 2.0. \$99.00  
*Lucky Fish Software, 4830 Briarwood, Ste. D4, Royal Oak, MI 48073-1353, (313) 288-3753*

## ◆◆◆ FONTS ◆◆◆

### Bread & Butter Fonts

For use only with Toaster. Seventeen styles each in 26, 38, 50, and 66 scan line sizes. Anti-aliased, ready to use. No conversion, no half-pint fonts. \$99.95  
*Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

### Broadcast Backgrounds

Five-disk set of high-quality images for use as backdrops in video productions, multimedia applications, and business presentations. They are all IFF files and are 16-color hi-res, overscanned images which are compatible with any software that allows importation of IFF graphics. Broadcast Backgrounds are designed with palettes that are easy to modify and which are ColorFont compatible. There is a wide range of patterns, textures, and gradients such as brickface, granite, wood, metal, cloth, and much more. Special borders and box type backgrounds included. \$44.95  
*Gulfcast Technologies, 7507 S. Tamiami Trail, Ste. 82, Sarasota, FL 34231, (813) 378-5477*

### Broadcast Font Pack 1

Ten professional high quality typefaces. All fonts are in both anti-aliased Broadcast Titler 2 and Standard Amiga formats. Amiga font sizes are 100 scanlines in height. Anti-aliased broadcast Titler 2 fonts are in various smaller sizes. Each font style contains the full 256 ASCII character set which includes special symbols and international accents. Additional sizes of Amiga fonts can be created with the Broadcast Titler 2 Font Enhancer. Fonts can be used with other Amiga Paint, Desktop Publishing, Multimedia & Video Packages. \$169.95  
*InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577, (510) 638-8432*

### Custom PostScript® Fonts

Postscript® fonts created from your scanned artwork, or your logo inserted into any PS font you already own. Any language possible—Chinese or Japanese requires 30 fonts. Type-3, user font, produced with screenfonts and metrics for precision layouts in either Amiga and/or Macintosh formats.  
*Allied Studios, 482 Hayes Street, San Francisco, CA 94102, (415) 863-1781*

### EUROFONTS VIDEO: French/Spanish/Italian

Module #2 supports Spanish, French, French-Canadian, Italian and Portuguese. This is a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and mono-

chrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### EUROFONTS VIDEO: German/French

Module #3 supports German and French. This is a Language Module from a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### EUROFONTS VIDEO: German/Hungarian

Module #4 supports German and Hungarian (Madgar). This is a Language Module from a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### EUROFONTS VIDEO: Master Kit

This is a two-part product. First get the Master Kit which provides extensive generic documentation, utilities, and startup/installation disk for the Eurofonts collection. Then you add as many language modules as you need. The language modules include foreign fonts, keycharts and font samples. You only need one Master Kit (we did this to reduce cost and duplication). Requires at least one language module. If you already have A\*Vide Professional Font System, you won't need this as it already includes the Master Kit. \$64.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### EUROFONTS VIDEO: Scandia

Module #1 supports English, Danish, Swedish, Norwegian, Finnish and Icelandic. This is a two-part product which requires one Master Kit or the A\*Vide System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### ◆ Fontgrabber

Fontgrabber is designed to let the user create high quality monochrome fonts for use in DTP and video work. Load an IFF screen containing your font design and simply drag out a box around each character you want to define. You then let Fontgrabber decide how the font should look. Your designs can be created with a paint program or scanned using a black and white scanner. This means that you can easily create character-based fonts such as Russian, Arabic, Chinese, etc. Even graphic shapes can be a font, e.g., chess pieces. \$75.00  
*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England, (011) 4475-368-6000*

### ◆ Fun Fonts

Three disks of very large, highly detailed ornamental fonts for humorous and playful video titling. Includes 23 Video Toaster CG fonts for anti-alias titling in scroll and crawl pages as well as key or frame store pages for DVEs. Toaster sizes are 80 point—the largest allowed. An addi-

tional 23 AmigaDOS fonts are double the Toaster font size. Fonts include: Achilles, Circus, Flash Caps, Frankenstein, Frisco, Orleans Open, Panorama, and Tarantella. Toaster versions require NewTek Video Toaster correctly installed. Requires program capable of loading/displaying/using diskfonts. \$39.95  
*Allied Studios, 482 Hayes Street, San Francisco, CA 94102, (415) 863-1781*

### KARA FONTS-AnimFonts® 1

ChromeSCRIPT is an eight-color, formal script in caps and lower case and comes in both a Keyboard and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic eight-color font and comes in both a Keyboard and an AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y-axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### KARA FONTS-AnimFonts® 3

Capsule is a hi-res eight-color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkle goes across each letter from the left to the right. A separate sparkle for custom effects is included. Comes in both keyboard and ANIMfont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### ◆ KARA FONTS-AnimFonts® 4

CHROMEchiselSCRIPT is a hi-res, shiny gothic script ColorFont with caps, lower case with alternate characters (r,z,s,l), numerals, and special characters. Available in 115 point size. Includes both a Keyboard and an AnimFont which wipes on a static image of letter, then the actual letter is wiped on by a laser-type burn. AnimFont can be used with any AnimBrush-capable program. Keyboard font compatible with ColorFont standard programs. Includes hard drive install program, extra palettes, and utilities to use ColorFonts. Two disks. \$59.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### KARA FONTS-HEADLINES

Three-disk set. Featuring 10 hi-res, dimensional, up to eight color, uppercase fonts in two sizes each (approx. 104 and 84 pts. high). Font styles in Chrome, Marble, Brick, and Granite are draggable for added 3-D effects. Other styles are Chisel, Wood, Bevel, Cast, Chiselserif, and Column. \$79.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### KARA FONTS-HEADLINES 2

Two-disk set offers four, new, eight-color fonts in two-three sizes each. ChiselScript: Italic script in upper and lower case. Glass: Transparent uppercase gothic face. Engraved: Draggable, uppercase two-plane shiny font. Embossed: Raised or sunken letters on a surface. \$69.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### ◆ KARA FONTS-HEADLINES 3

Four-disk set offers four TOASTER FONTS converted to 8-color, high-res ColorFont standard for compatible Amiga programs. Dimensional-looking styles: CHROMEserif, GOLDextrude, GRANITEchisel, and MARBLEbevel. Each style comes in three sizes (approx. 76, 100, 124); every font includes full character set of upper and lower case, numerals, and special characters. Includes hard drive installation program, additional RGB and video palettes, and utilities needed to use ColorFonts. \$79.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

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# Desktop Video

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## KARA FONTS-SUBHEADS

Two-disk set. A scaled-down version of Headlines, offers same unique ColorFonts in two smaller sizes (approx. 72 and 55 points.) New sizes allow a greater range of flexibility in titling without having to reduce and makes it possible to use in lower resolutions at a workable size. \$69.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177

## Masterpiece Anti-Aliased Font Collection

All 110 fonts from the Masterpiece Professional Font Collection have been anti-aliased and resized to multiple sizes of each font. 110 different styles—586 total fonts. Fonts have also been compressed to save space on your hard drive. Requires the ability to support ColorFonts. \$199.00  
ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803

## Masterpiece Professional Font Collection

The largest collection of fonts and clip-art available for the Amiga today. 110 different fonts are included in this 20 disk set. Also included are 141 hi-res pages of border clip-art. Four disks of ColorFonts and two disks of Brushes round out the set. A must for the video professional. \$199.00  
ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803

## Midnight Fonts

Original fonts for various applications. This is the desktop video set of the Midnight Fonts series. \$29.95  
Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## ● Olo Fonts Collection 1

This is a collection of the normal, colorfont-versions of the Olo Animated Fonts 1, 2, and 3 (Marmor, Glider, and Gold). They are 8 color fonts intended for hi-res. Marmor is a marble-looking, massive and impressive font in caps. Gold is a gold-looking, clear and exclusive font in caps. All fonts support most characters in German, French, Spanish, and Scandinavian. Each font comes in two sizes ranging from 108 pts to 140 pts. This collection does not contain any of the animated versions of these fonts. All the corresponding palettes are naturally supplied. Marmor comes standard in Ivory-palette with different, suitable marble palettes added. Glider comes standard in sober green & brown-palette with 6 other palettes added. Gold comes standard in fancy gold-palette with 9 other palettes added. Two disks and a thorough 24-page user manual in English included. Requires 1MB minimum. AmigaDOS 2.0 compatible. \$59.95  
Arto Vinjett, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702

## PostScript® Fonts Conversion

PostScript® fonts converted from Macintosh to Amiga ProfessionalPage. Most type-1 and all type-3 user fonts can be successfully translated. Service includes Amiga screenfonts for layouts, 'metric' files for precision kerning, and downloadable type-3 Postscript fonts for use with any Adobe® Postscript laser printer. Over 300 PS converted to date. Insured original factory disks only—no pirate fonts accepted. Fast turn-around. \$35/disk. Call for volume discount.  
Allied Studios, 482 Hayes Street, San Francisco, CA 94102, (415) 863-1781

## Pro Video Series Alternate Fonts (five sets)

Compatible with Pro Video Plus, Gold, and Post only. Each set contains four styles in four sizes. Each has anti-aliased files and regular font files. Easy icon installation. \$59.95  
Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

## Professional Font Library 4.4

Quality multidisk, general purpose English language font product. Over 60 typefaces, approximately 200 font files from 7 to 88+ pixels high, both monochrome and color fonts. Suitable for paint programs, WYSIWYG word processing, variety headlines and low-end video titling. Includes icon interface, many utilities, comprehensive 82-page manual plus 36 pages of sample printouts. 512k recommended, 2MB for color fonts. \$79.95  
CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

## The Cool ColorFont Collection

ColorFonts with various faces in a three-disk collection for paint programs or video. Large sizes 65-82 lines with Serif, Sans Serif, Modern, a Gold Bar, and a written font are among the various colored fonts for video. Upper and lower case. \$35.00  
CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## Touch & Go Animation System

Automates the process of creating finished titling animations, complete with synchronized sound effects. The user can create a broadcast quality 2-D animation in less than 60 seconds. Just type in text, choose from among several special effects, then watch and video tape the completed animation. It is a self-contained, stand-alone system, and requires no authoring or paint program or user knowledge of animfonts or animbrushes. Sets currently available include Amigan Graffiti, Fireworks, and Pinball. Each set comes complete with the editor/player program, digitized sound effects, and several animfonts. Requires 1MB RAM. Demo disk available. Sets sold separately. \$39.95  
MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009

## Ultra-Fonts Volume 1,2,3

Assorted Amiga bit-mapped fonts suitable for use in most paint/graphics/video applications, and some wordprocessing/DTP/presentation packages. Each volume contains large specialty typefaces in unusual but useful styles, up to 160 point. Includes some ColorFonts. An automatic install utility and assign utility are provided, along with sample IFF pictures. New volumes are added periodically. Call for details. For use on all Amiga models. Some fonts may require 1MB. \$25 Australian.  
Pro-Visual, P.O. Box 248, Coburg, 3058, Victoria, Australia, (011) 613-383-4905

## Video Clipse v1

Amiga graphic enhancements for the video professional. This seven-disk set has 20 big super-clean fonts, each from 100 to 160 points tall. Resize without losing clarity. Both regular Amiga and Video Toaster formats are conveniently included. Video Clipse also includes three clip-art font sets: Special Occasion Clips, Commercial Clips, and Multi-Use symbols (borders, caption balloons, etc.). Also includes hi-res, overscanned, IFF backgrounds and Anim-Brushes. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any Amiga model, and any paint presentation or multi-media program capable of displaying standard Amiga fonts and IFF images. \$59.95  
Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447

## Video Clipse v1.1—Spanish Version

Spanish version of Video Clipse Volume 1. This nine-disk set combines all of the graphic enhancements of Video Clipse Vol.1 (20 big Amiga and Toaster ready fonts; three Clip-Art Font Sets; Backgrounds and Anim-Brushes) with two additional disks containing Spanish characters for all 20 big fonts. All accented vowels, punctuation, cedilla, tilde and dieresis. A user guide in Spanish is also included. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any model Amiga computer. Any paint, presentation, or multi-media program capable of displaying standard Amiga fonts and IFF images. \$69.95  
Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447

## Video Fonts II

Seventeen styles each in four sizes. All individually bit-mapped and anti-aliased. For use in programs accepting the ColorText structure. Designed for use in video but perfect for slide images. Easy icon installation. \$99.95  
Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

## VideoFonts

High-quality font outlines that can be scaled to any size for use in video titling. Create Toaster fonts for use with NewTek Video Toaster or Amiga fonts for use with any application. Customize fonts aspect ratio, italic angle, and variable

bolding. Choose from five different VideoFont packs. Decorative 1: Avant Garde, Universe Medium Condensed, and Triumvirate typefaces; Decorative 2: Shannon, Microstyle, and Microstyle Extended typefaces; San Serif 1: Zapf Chancery Medium, Letraset Revue Light, and Letraset Revue Shadow typefaces; San Serif 2: Dom Casual, Brush, and Cooper Black typefaces; Serif 1: Melliza, Clarendon Book, and Tiffany Medium typefaces. \$99.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## Zuma Fonts Pack I & II

Bitmapped typefonts for use with any IFF-compatible program, such as TV\*TEXT Professional, which accesses Amiga fonts. Six sizes, from 12 to 100 lines. Requires 512K RAM. ZumaFont Pack I includes Volumes 1, 2, & 3 Zuma Fonts on 3 disks. ZumaFont Pack II includes Volumes 4, 5, & 6 Zuma Fonts on 3 disks. Volume 1: Swiss, Pica, and Barn Fonts. Volume 2: Euro, Chelt, and Stencil Fonts. Volume 3: Coop, Script, and Fast Fonts. Volume 4: Deco, Devine, and Draft Fonts. Volume 5: Metro, Art, and Gospel Fonts. Volume 6: Oak, Sports, and Alps Fonts. Each pack \$99.95.  
Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015, (602) 246-4238

## ❖ ❖ IMAGE PROCESSING ❖ ❖

### Art Department Professional 1.0.3

Professional-level image processing; a superset of The Art Department. Supports ARexx, imports and saves to Amiga and non-Amiga image formats. With optional modules it can control scanners and other imaging hardware. Includes savers & loaders for IFF, Digi-View, Turbo Silver, Sculpt 4D, GIF, PCX, DeluxePaint II Enhanced, PostScriptSaver, and 24-bit Composition. Includes a driver for the Impulse FireCracker 24, which fully integrates that 24-bit display board into the Art Department Professional user-interface. A driver which gives direct control over the Progressive Peripherals & Software FrameGrabber video digitizer has been added. Registered owners of prior ADPro versions will receive version 1.0.3. automatically at no charge. \$240.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### Art Department Professional 2.0

ADPro 2.0 offers the first Amiga implementation of the JPEG image compression technology which dramatically decreases the space consumed by 24-bit plane images. JPEG support makes it possible to store large numbers of hi-res images in true color by compressing such images to as little as 1/80 of their original size. 2.0 also has the ability to use any printer supported by the Amiga operating system to create color prints with 24-bit plane accuracy or gray scale prints with 8-bit plane accuracy. The new release also adds a number of new file formats including MicroSoft Windows BMP files; display boards—DCTV, IV24, ACS Harlequin, and more; and operators—including WYSIWYG anti-aliased text operator which utilizes the scalable font technology in Kickstart 2.0. Features include support for 8-bit HAM, a Universal loader which automatically detects and decodes most image file formats, more WYSIWYG operators, and user interface enhancements which make use of Kickstart 2.0 if present. \$299.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### ◆ Art Department Professional 2.1.0

This version includes a program called FRED, a frame editor that provides easy batch processing and powerful animation tools. FRED requires Kickstart 2.04 or later. Other new features are roll operator for faster creation of video transitions such as pushes, slides, and reveals; and broadcast limit operator to identify and correct colors which can cause playback artifacts based upon specific NTSC, PAL, or user definable standards. PREFFRINTER saver has also been augmented with eight new dithering methods. Upgrade \$75 from version 1. Upgrade \$130 from The Art Department.  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

# Desktop Video

## ♦ Art Department Professional Conversion Pack

New release of The Professional Conversion Pack (PCP). In addition to original capabilities, alpha channel support has been added to the existing Targa and Rendition loaders, and two new image file formats (X11 and SUN) have been added for use by high-end graphics and animation systems running on Unix workstations. The new formats and capabilities make it easier to integrate the Amiga into professional video and graphics environments. \$90.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## HAM-E

24-bit/256 register and 262144 simultaneous color video adaptor for any Amiga. Attaches externally to the Amiga between computer and standard monitor. Comes with comprehensive real-time paint software, sophisticated rendering software for producing images from virtually any Amiga image file. All software reads and writes CBM standard 24-bit iff files, imports any IFF file 2-32 colors, half-brite, PP HAM, DP HAM, 24-bit, RGB8, RGBN, and more. Source code for paint and render available on BBS (406) 367-ABBS, also all software free upgrades forever on BBS. AREXX compatible. 3MB recommended. \$299.95  
Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) 852-6442

## ♦♦ Imagemaster

True infinite morphing capability has been added to original extremely powerful 24-bit image processing, composition, paint, and analysis software for the stock Amiga. Morphing converts one image into another by creating successive images in a sequence which take on increasingly more of the final image characteristics until transformation is complete. User now has complete control over morph process geometry and colorimetry over any desired number of automatically 'twinned' 24-bit image frames. Also available for Impulse FC24 board. Runs on any model. Requires 3MB of RAM. NTSC/PAL, AmigaDOS 1.3 and 2.0 compatible. \$249.95  
Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) 852-6442

## The Art Department

24-bit plane image processing system for the Amiga. Using Loaders, TAD can read any image file format. Includes Loaders for IFF, Digi-View, Sculpt 4D, and Turbo-Silver. Offers 208 video modes including PAL and 4096 colors in hi-res. Super accurate digital scaling, color conversions, color separations, and other image processing functions. \$89.95  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## ♦♦♦ UTILITIES ♦♦♦

### Animated Action Disks

Two disks of animations. ANIMs format on Animated Intros, and ANIM brushes on Animated Spots. Wedding-type cycled motion scenes to add and edit for your video animations. DeluxePaint IV compatible. \$28.00  
CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

### Auto Race Thrills

Thirty-nine digitized and drawn color images and artwork of NHRA dragsters, NASCAR racing, SCCA race cars, dirt racing, race engines and other racing related images in 352 x 480 formats. All digitized images were converted directly from 24-bit images. Includes drawn and animated racing flags in hi-res. \$49.95  
Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### Background Bits 24-Graduated Backdrops

Two disks of 24-bit graduated backgrounds already processed in greens, blues, gold, in legal NTSC colors ready for overscan use in the Video Toaster, DCTV, and any other 24-bit card or program. Boxes on disk can have pictures inserted. Requires 1MB, Video Toaster or any other 24-bit program. \$28.00  
CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## ♦ Beyond Backgrounds - Pro Set

Ten disks of professional-quality, high-resolution, 736 x 480 overscan 24-bit IFF images for use as backdrops in video productions, multimedia applications, and business presentations. Perfect for overlaying of titles, animations, logos, or any Amiga-generated graphic. Selections: clouds, celebrations, wedding bells, toon, trophy, tile floor, human figure, thick grid, stage; many others. Designed by Derek Grime and created using a Silicon Graphics IRIS workstation to work with the Video Toaster. Work with ImpactVision 24, FireCracker 24, DCTV, HAM-E, and any Amiga product that displays 24-bit IFF images. \$99.95  
FrostByte Systems, P.O. Box 481 Station D, Toronto, Ontario, Canada M6P 3K1, (416) 769-7516

### BiTiPiX—Series One

These 12 (4096+) color images of Sydney, Australia and surrounds are on a two-disk set and include location details. Digitized from photographic stereo pairs, they are for use with your HaiteX X-SPECS 3-D glasses. NTSC/PAL. Stereo or flat versions available—please specify. 1MB required, 2MB recommended; AmigaDOS 1.2 or 1.3. \$18.00  
Aztek Media Services, P.O. Box 886, Cannington, Perth, West Australia 6107, (011) 619-459-2079

### BiTiPiX—Series Two

These 12 (4096+) color images of Perth, West Australia and surrounds are on a two-disk set and include location details. Digitized from photographic stereo pairs, they are for use with your HaiteX X-SPECS 3-D glasses. NTSC/PAL. Stereo or flat versions available—please specify. 1MB required, 2MB recommended; AmigaDOS 1.2 or 1.3. \$18.00  
Aztek Media Services, P.O. Box 886, Cannington, Perth, West Australia 6107, (011) 619-459-2079

### Birds, Up Close (VGLD.005)

Four disks containing 42 images of birds and wildfowl. Twenty-two images are in 352 x 480 32-color format and 20 images are in 704 x 480 hi-res 16-color format. All are specially prepared for video applications with no color zero and colors, are set for minimal chroma crawl and flicker. Meticulously retouched after conversion from 24-bit files produced from original photographic slides. Includes hawk, wrens, bluejays, cardinals, purple finch, evening grosbeak, woodpecker and more. \$39.95  
Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### Broadcast Backgrounds

Four-disk, 36-image collection of high and medium resolution graphics to be used as backgrounds with titling programs such as Broadcast Titler and TV\*Text Professional, and paint/animation programs such as DeluxePaint. These are IFF files which can be modified. The backgrounds provide a variety of effects such as brickface, wood, gradation, and 3-D perspectives. Also included is a slide show that will allow a quick look at each background. \$44.95  
Computers, Etc!, 4521-A Bee Ridge Road, Sarasota, FL 33583, (800) 634-5546 Orders

### Doug's Color Commander 2.0

A powerful screen utility that opens the door to shading and swapping colors in ways that have never been possible before, while greatly expanding the graphics capability of your Amiga. Includes screen grabbing and printing capabilities. Not copy protected. \$49.00  
Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956

### Earth and Planets (VGLD.001)

Four disks containing 63 files of animations, drawings, and digitized images of Earth, the moon, other moons and planets in the solar system, and imaginary planets and moons. Includes two animations of Earth spinning in 704 x 480 4-color and 16-color, 32 digitized images and 19 drawn images in hi-res and interlace overscan, plus 10 'brush' images. Designed especially for video, this set includes a 'digital display' image viewer/video production utility. \$39.95  
Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### Galaxies and Other Worlds (VGLD.002)

Four disks containing 60 files of drawings and

images of galaxies, nebulae and imaginary scenes and spacescapes of moons, planets and other worlds. Companion set to Earth and Planets images. Twenty-nine hi-res overscan (704 x 480) and 24 interlace overscan (352 x 480) images. Designed especially for video production, the set includes 'digital display'. \$39.95  
Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### More Worldwide Maps (MGLD 503)

Over 200 drawn maps of the 50 states and Puerto Rico, the United States, and the World, plus area maps of every continent, and globe maps from every conceivable view from space including Artic and Antarctic views. This is the companion map set to Worldwide Maps. \$49.95  
Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### On-Line Studio

On-Line Studio is a three-disk set of Professional style video backgrounds and animation for use in titling, paint and animation programs. A valuable and time-saving tool to video production work. From the Amiga Professional Tutorial series. Requires 1MB 'Fat Agnus,' 1MB RAM. \$24.95  
CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 265-3995

### Photon Video Transport Controller

The link between graphics, animation, and video tapes. Controls external video tape frame-by-frame controllers like the Lyon-Lamb and Video Media's V-LAN systems. Designed for use with Photon Video's Cell Animator, the Transport controller will also work with other third-party software. Records 1-300,000 frames each time an image is displayed, resulting in a smooth animation sequence. Set the TC to edit short real-time Amiga animations into longer sequence; set in/out points via keyboard or mouse; create time-lapse using the Time Lapse utility. Requires external video controller interface. \$299.95  
Microlussions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

### Photon Video: Edit Decision List Processor

Edit decision lists can save lots of time and money. Create your list off-line, then transfer them to an on-line editing system via the serial port, or an MS-DOS compatible floppy disk. Features 999 events per-file capacity, three tracks (one video, two audio), and lists are recalculated instantly every time a change is made. Works with 30-frame NTSC, 25-frame EBU (PAL), and 24-frame film modes. \$499.95  
Microlussions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

### System Integrator

System Integrator will RESET the Amiga upon detection of an error condition, lock up, or even a total system crash. It is a software/hardware combination that attaches externally to the Amiga (internally for A500). It was developed initially for Cablevision companies, video presentations, and interactive multimedia displays. It is a must for bulletin board systems, ray tracing, and other applications that require the Amiga to be left running unattended. System Integrator will have you up and running again in seconds, with no human intervention. The software includes a toolkit to log errors, blank the display, and display a custom message-screen. \$199.00  
Pro-Tronic Systems Ltd., 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5, (604) 290-1631

### The Educator Set: School-Sports, Maps, Political

Volume 11 and Volume 6 are grouped in this set for educators who need maps and all sorts of school scenes for video yearbooks and classroom themes that can be used for a school video. A five-disk set. Requires 1MB, and a paint or video program. Political disk also included. \$39.95  
CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

### VIDI-Mice

VIDI-Mice is a man-machine interface for the Amiga, for use in your hypermedia productions and performances. By emulating all mouse and keyboard functions, VIDI-Mice software allows you to control virtually any video, music, or paint

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# Desktop Video

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programs from your video camera. NTSC only. LIVE! frame grabber required, Workbench 1.3 or later. \$85.00  
*Tensor Productions, 819 Gwyne Avenue, Santa Barbara, CA 93111, (805) 683-2165*

## Video Backgrounds A (VGLD.003)

Four disks containing over 130 files with 31 backgrounds for video titling, including 3-D and embossed look tiles, embossed ridges, drapes, woodgrains and woodpanels, marble slab, fiber and more. Five backgrounds are 'shade me' files for DPaint III shade function. Also 97 magic palettes. All are 704x480 hi-res overscan. All V.G.L.D. sets are designed for video and include 'digital display' image viewer/video production utility. \$39.95

*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593, (919) 642-6295*

## Video Backgrounds B (VGLD.004)

Four disks containing over 160 files, 32 hi-res overscan and two interlace overscan backgrounds prepared specially for video, including marble, drapes, burlap, carpet, pebble and many embossed tiles, ridge, diamonds and other shapes. Also special 'shade me' backgrounds and 127 magic palettes. Companion set for Video Backgrounds A. No color zero is used and backgrounds have unused palette colors for use in text and titling. \$39.95

*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593, (919) 642-6295*

## ◆ Video Calibration Set

A collection of 41 IFF test patterns for testing and calibrating RGB and video monitors. Turns an Amiga equipped with an encoder or genlock into a test pattern generator. Includes six color tests, six brightness and contrast tests, tests for convergence, phosphor burn, interlace flicker, and other tests for monitor problems. Also includes three different printed test patterns for video camera calibration. Requires 512K chip RAM, one drive. \$49.95

*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266, (310) 379-7139*

**Please see display ad page 25.**

## Video Visions Vol. 10: The Illustrator; Entertainment-Game Scenes

Scenes that have illustrative backgrounds featuring game scenes and entertainment. Use the different scenes to show country, city, or interior, exterior of buildings for constructing a scene with objects or characters, or even titles. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 11: The Reporter; School-Sports

School scenes and sports geared to school videos are featured. Cheerleaders, classrooms, and scenery for schools are prevalent in this volume. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 12: The Producer; Religious-Political

Religious and political scenes highlight this two-disk volume of art portraying crosses, churches, ceremonies of religious rites, and political themes typical of government, courtroom law, and other types of legal video scenes. Requires 1MB, and a paint or video program. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 1: The Titler V3.0; Backdrops-Fonts

Now includes five disks, four with backdrops and one with ColorFonts to start you titling. ColorFonts I added to help Titles and Backdrops be integrated for a full starter kit on Video Titling. Scenes are extended to titler overscan page size 704 x 480. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 2: The 3D Animator V2.0; 3-D Objects

Images and parts custom-made for 3-D and Page Flipping Animation programs with a focus toward Fantasy Animals subjects. Features objects for 3-D. Specify your 3-D Editor: 3-D Knight, Unicorn,

Giants' Hand, 3-D Videocam, Dogsworld Animation, 3-D Globe Spin, Clouds Backdrop, Field Backdrop HAM, and Tree Backdrop, and more! Over 40 files, overscan HAM screens, and 3-D objects for your editor. Imagine, Sculpt 3D, or Lightwave supported. Two disks. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 3: The 2D Animator V2.0; Characters

Two disks. Images and parts custom-made for 2D Pageflip programs with a focus on Characters-Creations subjects. Features: many anims and animbrushes, butterfly animation, Rosie Rabbit animation, horse race, fence post looping background; character poses: boy run, duck snoop, duck walk, runners, eagle land, eagle fly, golfer, tiger joyful, woman leaping, horse gallop, horse prance, and more! Over 30 hi-res files. IFF format page. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 4: The Videographer V2.0; Weddings

Three disks. Images and parts custom-made for Wedding/Occasions subjects. IFF Compressed Overscan for video programs. Features: borders, flowers, love, bouquets, bride, frames, scroll, lace, and more! Over 30 files hi-res overscan. Same as Videographer 1.0, only pages are extended to broadcast titler overscan 704 x 480 IFF format. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 5: Broadcast Sports

Two disks. Images and parts custom made for Business/Broadcast subjects. IFF Compressed Overscan for video programs. Features: Chroma Slide overscan screens, industry, cityscape, Celtic animation, baseball/football scoreboards, 20th Century Fox logo, and more! Over 40 files hi-res overscan, 704 x 480 IFF format pages. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Vol. 6: The Educator V2.0; Maps

Four disks. Images and parts custom-made for educators with a focus on products/symbols subjects. Features maps, historical sites around world: Eiffel Tower, Spanish matador, and India caravan. All maps worldwide, and U.S. maps state-wide, with over 100 files and full 16-color hi-res. \$30.00  
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## Video Visions Vol. 7: The Advertiser; Products and Symbols

Two disks. Images and parts custom-made for advertisers with a focus on products/symbols subjects. Features industry TV commercial pictorials. All products like 35mm cameras, video camera, disk drive, Visa/MasterCard, medical, Pepsi, Yellow Pages, and more! Over 50 files of 16-color hi-res. \$25.00  
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## Video Visions Vol. 9: The Video-Musician; Jingle 86-Rock scenes

Rock scenes and Animated Jingle Backdrops with a musical flair are featured on this psychedelic volume. Curtain opening, backdrops that move are featured on this volume for music video type scenes and object-musical instruments. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions Volume 8: The Videomaker; Ceremony-Anniversary

The Videomaker contains anniversary ceremonies type data. Stained glass effects to religious type data make this a perfect companion to Volume 4: The Videographer includes wedding ceremonial scenes and others. Three disks of data. \$30.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions: MultiVisions

Can load and run pictures, objects, and animations prior to dumping to video tape. It can be part of the package of any Video Visions data disk set or

purchased separately, \$25 alone (\$20 more for modifiable CanDo version); free with purchase of The Studio Set. \$25.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions: The Animator Set; AnimAids

Includes previous Video Visions clip art bundled in a four-volume set of nine disks. Includes Volume 2: The 3D-Animator (Sculpt 3D version standard), Volume 3: The 2D-Animator, Volume 10: The Illustrator. Geared toward Animation users 2-D or 3-D. Educational in scope. Has numerous aids for the animator, as well as Animated Intros and Animated Spots. \$49.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions: The Mixed Set

Includes all previous video vision clip art bundled in either three-, four- and five-volume sets. Volumes of the future can be chosen to complete a package to suit any videographer. Geared toward the mix & match individual. Conversions available for any set program requirement a user may request. Three volumes, \$69.95; four volumes, \$79.95; five volumes, \$89.95.  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions: The Studio Set

Contains all of the Vision Data packaged in one assorted collection. Video Volumes 1 to 10 and beyond. Liberal upgrade to future volumes for one year is also included in the purchase of this set, in the form of a subscription. MultiVisions also included in this complete set of over 36 disks. \$229.00  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions: The Titler Set; Titler Aids

Includes previous Video Visions video clip art bundled in a four-volume set with 14 disks. Includes Volume 1-The Titler, Volume 5-The Broadcaster, and Volume 7-The Advertiser, Volume 9-The Video-Musician. Geared toward Titler users that use display video software. Has three color fonts disks included. \$69.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Video Visions: The Wedding Set

Includes wedding data, Bar Mitzvah, and ceremony art consisting of six disks of data in overscan hi-res format. Volume 8 and Volume 4 are included. For another \$30 Animated Action disks can be included, plus a religious disk in the Wedding Set Plus version. \$39.95  
*CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Worldwide Maps (MGLD.502)

Over 240 files of maps of the 50 states and Puerto Rico, the United States, and the World, area maps of every continent including text and color political maps of major areas. All maps are 640 x 400 or 704 x 480 format. Also includes a Weathermap Construction Kit with weather symbols and U.S. maps with matching palettes. This is the companion set to More Worldwide Maps. \$49.95  
*Digital Designs Group, P.O.Box 593, Whiteville, NC 28472-0593, (919) 642-6295*

## ◆ ◆ ◆ MISCELLANEOUS ◆ ◆ ◆

### Eye Play 2

Player or computer builds computer art from three dozen graphic routines. With 640 x 400 and 320 x 200 resolution \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583*

### Lasershow Designer 100

For 2-dimensional, single-color laser graphics. Does not include scripting features. For XY scanning laser projectors only (no blanking available). NTSC and PAL. Requires any Amiga with hard drive or two floppy drives, at least 2MB RAM, Workbench 1.3 or 2.0. \$995.00  
*Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201, (703) 527-4880*

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For 2-dimensional, single-color laser graphics. Works with any laser scanner projector. NTSC and PAL. Requires hard drive or two floppy drives, at least 3MB RAM, Workbench 1.3 or 2.0. \$2395.00

Pangolin Laser Software, 933 North Kenmore St.  
Ste. 317-A, Arlington, VA 22201, (703) 527-4880

### ◆ Lasershow Designer 300

Lower cost version of LD 400, for those with single-color laser systems. Create, edit, animate, and display true 3-D laser graphics. Works with any laser scanner projector. NTSC and PAL. Requires A2500 or 3000, hard drive, at least 5MB RAM, Workbench 1.3 or 2.0. \$3995.00

Pangolin Laser Software, 933 North Kenmore St.  
Ste. 317-A, Arlington, VA 22201, (703) 527-4880

### ◆ Lasershow Designer 400

The most advanced laser display software available for any computer. Create, edit, animate and display true 3-D, full color laser graphics. Requires color laser projector, (available through Pangolin). NTSC/PAL versions. Requires A2500 or 3000, hard drive, at least 5MB RAM, Workbench 1.3 or 2.0. \$7995.00

Pangolin Laser Software, 933 North Kenmore St.  
Ste. 317-A, Arlington, VA 22201, (703) 527-4880

### RGB Single Frame Controller

All hardware and software needed to control a video deck for single-frame and time-lapse animation. Can easily be expanded to a full blown A/B Roll or cuts-only editor (AmiLink). Interfaces available for virtually all frame-accurate videotape recorders. Can be interfaced with AmigaVision to control virtually any professional grade videotape recorder. \$995.00

RGB Computer & Video, 4152 Blue Heron Blvd.  
W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### RTV

Raster-to-vector conversion program. Takes standard IFF pictures—drawn, painted, or digitized—and instantly turns them into projected laser graphics. RTV can be used by itself or as input for the Lasershow Designer programs. Requires a standard laser scanner projector. NTSC only. Works on any Amiga. \$495.00

Pangolin Laser Software, 933 North Kenmore St.  
Ste. 317-A, Arlington, VA 22201, (703) 527-4880

### Transitions Vol. I

Fairy-tale Wedding Opener. Onesix-part wedding animation done by painting each frame by hand, which took over 430 hours to create. Over 5.5MB long. This package also contains six more additional animations to really jazz up your wedding videos. All animations are self-running with a variable speed control. Load and press one key—that's all. Requires 1.5MB of RAM and one drive. \$149.99

InSync, 410 Maple Ave., Westbury, NY 11590,  
(516) 574-0225

### Transitions Vol. II

The Fireworks Construction Kit was designed to provide you with a means to create professional looking fireworks displays for your videos. Imagine your titles or announcements with your own custom firework display. A total of 36 ANIM brushes and two animations. \$49.99

InSync, 410 Maple Ave., Westbury, NY 11590,  
(516) 574-0225

# Desktop Video

### Transitions Vol. III

Title Fonts & Graphics Kit. With this kit you will be able to make great-looking graphic titles. A graphic title is a title that mixes both graphics and letters to create a title. This kit includes: two fonts—hi-res and anti-aliased, 25 keyboard graphics, two sparkle animations, 11 pre-built titles on a background, and six hi-res backgrounds that are cyclable. Requires 1 drive, 1MB, DeluxePaint or compatible program. \$49.99  
InSync, 410 Maple Ave., Westbury, NY 11590,  
(516) 574-0225

### Transitions Vol. IV

Honeymoon Animation and Titling Package. This kit includes 28 pre-made location animations to append to the 'Honeymoon In' introduction. A custom keyboard font can be used to make other locations. Includes are 28 title pages, that can also be imported into other paint packages. These animations will really highlight your clients' honeymoon. \$49.99

InSync, 410 Maple Ave., Westbury, NY 11590,  
(516) 574-0225

### Transitions Vol. V

Special Occasion Animations I. In this first installment of special occasion animations we have created the perfect ice-breakers and attention-getters, from animated dancers to horn-blowing pages. Cupid flies around and shoots an arrow at a picture of the bride and groom, and then the scene explodes into a shower of hearts. Many more. Requires one drive, and 1MB RAM. \$49.99  
InSync, 410 Maple Ave., Westbury, NY 11590,  
(516) 574-0225

### Transitions Vol. VI

Outer Space Construction Kit. Star fields galore! ANIM brushes of comets, planets, and stars. Build your own animations of space with this kit. This kit can be used for many purposes. Make animations, and put them on tape stock for future use. Requires 1 drive, 1MB, DeluxePaint or compatible program. \$49.99  
InSync, 410 Maple Ave., Westbury, NY 11590,  
(516) 574-0225

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- 6 contrast and brightness test patterns.
- Tests for convergence, phosphor burn, interlace flicker, amplifier linearity.
- Video camera test charts.



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plus 40 others.

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\* Video tests require use of genlock or encoder to convert Amiga RGB output to an NTSC signal.

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# Word Processing

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## ❖ WORD PROCESSING ❖ GENERAL

### ◆◆ Final Copy

Designed for people who need high quality printouts of personal and business documents. Combines traditional word processing features with state-of-the-art printing technology. Includes 34 outline typefaces, a 116,000-word spelling detector and corrector, a 470,000-synonym thesaurus with definitions, graphics support, automatic hyphenation, multiple newspaper style columns, AREXX port, and built-in PostScript printer driver. Outline fonts get the best possible results from a printer. Graphics can be produced in their original colors by use of 12-bit plane printing method. Workbench 2.0 and 1.3 compatible. \$99.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330*

### ◆◆ KindWords™ 3.0

Multi-featured word processor with fully-integrated graphics environment to enable users to crop and manipulate image size in 16 colors within the word processing application. Offers the acclaimed Proximity/Merriam Webster Dictionary featuring a 100,000 word spelling corrector, and the Proximity/Webster Electronic Thesaurus that accepts over 40,000 words and offers 470,000 synonyms. The thesaurus helps users find the right word by presenting a list of meanings for each query, along with synonyms, antonyms, related words, and contrasted words. Multiple fonts (import any Amiga fonts). Text wrap around graphics. Workbench 1.3 and 2.0 compatible. \$129.95  
*Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600*

### LPD Writer

Work on several projects at once with multiple windows. WYSIWYG display, zoom feature, suspend, multiple-file editing, short-cut commands, on-line help, footers, formatting, and text enhancements. \$59.95  
*Digital Solutions, Inc., P.O. Box 345 Station A, Willowdale, Ontario, Canada M2N 5S9, (416) 731-8775*

### Personal Write

Personal Write is an extremely fast word processor which is packed with unique capabilities. It features a rich set of powerful commands which let you read, edit, store, convert, compress, encrypt and print text. The user interface is very friendly and flexible. Eighty menus and hundreds of gadgets let you tailor the program to fit every need, while the default settings let the inexperienced user start working with the program right away. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

### ◆◆ ProWrite 3.2

Word processor. Professional features abound in this best-selling Amiga word processor, where ease of use becomes reality rather than marketing. A new 3-D interface that works under AmigaDOS 1.2 as well as 2.0, multiple columns, PostScript printing, and a full WYSIWYG display, spell checker, and 300,000-word thesaurus are just a few of the many capabilities offered by this top-of-the-line program. And ProWrite 3.2 now includes a new file convert program for converting documents of other formats to ProWrite. \$175.00  
*New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650*

### Protex

Protex is a fully integrated word processor which combines the features of a word processor, text editor, and a command line interpreter—all in one package. New 5.0 version supports multiple fonts, menus, windows. \$99.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

### ◆◆ QuickWrite 1.1

Entry-level word processor. The ideal word processing solution for single drive systems. Requires only 512K of memory. Some features include a 50,000-word dictionary, mail merge, WYSIWYG display, fully customizable, compatible with ProWrite and Professional Page DTP program. Perfect for all simple word processing needs. \$75.00  
*New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650*

### ◆◆ Rashumon DTP 1.2

Rashumon DTP has all the features of Rashumon GR plus full graphic support. You can add IFF brushes to the document, move (in real time), copy, paste, and delete them. Supports NTSC and PAL (Auto Adjust), up to four keymaps can be used simultaneously. 1MB required, 1.5MB suggested. Color printer recommended. \$200.00  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319, (011) 972-331-5967*

### ◆◆ Rashumon GR 1.2

Rashumon is a multi-lingual graphic word processor which contains English, Hebrew, Arabic and Russian. Rashumon supports multiple fonts, including proportional spacing. It also has fast scrolling and editing speed. Rashumon is user friendly having a graphic intuitive user interface. It can have up to eight colors in one document which can be selected from 4096 options by Palette Requester. This word processor also has full math support, a Data Base and a Save IFF option. You can highlight simultaneously any number of document parts for manipulation. It can also read text for you. Supports NTSC and PAL (Auto Adjust), up to four keymaps can be used simultaneously. 1MB required, 1.5MB suggested. Color printer recommended. \$150.00  
*HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319, (011) 972-331-5967*

### ◆◆ Scribble! Platinum Edition

Incorporates all the features of The Works! Word processing module. Includes 104,000 word spell checker with scientific and technical supplements, a 470,000-word thesaurus. Also prints IFF graphics. Available for PAL. AmigaDOS 2.0 compatible. \$49.95  
*Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772*

### ◆◆ SoftFaces

A multiple-volume collection of high-quality outline fonts that can be used in Final Copy. These typefaces will produce excellent-quality output on both graphic and PostScript printers. Each volume contains 25 typefaces licensed from well-known type foundries such as International Typeface Corporation (ITC) and Letraset. These typefaces have been designed by world-famous designers, and are used worldwide in a variety of applications. \$99.95 per volume. \$99.95  
*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330*

### Textcraft Plus

Versatile word processing program features pull-down menus with full editing capabilities: choice of font style, formatting controls, automatic headers, footers, print merge, and on-line help. Includes nine ready-made forms for writing business letters, menus, resumes, reports, etc. Ideal multitasking program for any area of business. \$99.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆◆ The Context Bible

New International Version. Add virtually unlimited notes after any verse (show or hide in levels of outline). Instant look-up of cross-references. Underline, italicize, bold, color, and link the Bible, commentaries (several included), sermons, diagrams, outlines, and a topic file. Search for words and phrases. Import, export, and print. NTSC/PAL, all Amiga keymaps and fonts. 1MB RAM and hard drive recommended. \$150 including Thinker (hypertext, word/outline processor, database). Free demo disk, VHS videotape \$10. 30-day warranty. AmigaDOS 1.2-2.0 compatible. Mark Sims, 2 Pygmalion Place, Hamilton, New Zealand (64-07-8476-378) dist. for Australia and New Zealand. Order direct from: *Neuralink, P.O. Box 16311, Lubbock, TX 79490, (806) 793-0423*

### Thinker 2.1

A sophisticated hypertext system that combines word processing and outline processing with Hypertext. Its editing, outline, and database capabilities make it an excellent tool for creative writing, on-line documentation, planning and design, small business databases, and computer-aided education. Documents containing multi-styled and multi-colored text and images link to other documents, pictures, and applications. Click on a word or phrase and check a reference, view a picture, or launch a Workbench or CLI application and control it with AREXX. \$80.00  
*Poor Person Software, 3721 Starr King Circle, Palo Alto, CA 94306, (415) 493-7234*

### TransWrite 2.0

A major replacement for Transcript. TransWrite 2.0 has a new look, with international-style requesters and user-configurable custom screens in addition to the normal workbench mode. It now has document analysis, and new mark and type text editing. Improvements include greater control over find and replace, spell checking as you type, automatic control over widows and orphans, full formatting control including headers, footers, and page numbering. A new utility, RecoverTW, can usually recover a document even if another program crashes and causes a system reboot. Also added is mail-merge and automatic index creation. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### ◆◆ WordPerfect 4.1

A high-end word processor offering on-screen snaking and parallel columns (up to 24 across a page), a 115,000-word speller, an on-line thesaurus, macros, math, merge, and support for more than 300 printers. Features include indexing, table of contents, paragraph and outline numbering, footnotes and endnotes. It allows you to print an entire document, a page, a range of pages, or even a block of text. Comes with on-line help, extensive documentation, toll-free customer support and is available for the A500, 1000, 2000, and 3000. Requires 1MB, Kickstart 1.2, and one disk drive; two drives or a hard disk recommended. Compatible with AmigaDOS 1.3 or 2.0. \$295 Canadian. \$249.00  
*WordPerfect Corporation, 1555 N. Technology Way, Orem, UT 84057, (800) 451-5151*

### ◆◆ excellence! v2

Besides all the basic features, excellence! v2 features Index and Table of Content generation, Grammar and Style Checker, Footnotes, and built-in PostScript support. Also includes 140,000 word Dictionary, four types of printer output (NLQ, Draft, Graphic, and PostScript), AmigaDOS 2.0 compatible, reads Scribble!, IFF, and ASCII text files, WYSIWYG editing and page preview, and much more. 1MB RAM required. Available for PAL. AmigaDOS 2.0 compatible. \$199.95  
*Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772*

# Word Processing

## ♦ ♦ ♦ FONTS ♦ ♦ ♦

### Midnight Fonts WP

Original fonts for various applications. This is the word processing set of the Midnight Fonts series. \$29.95 Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

### Personal Fonts Maker

Personal Fonts Maker is an excellent, comprehensive tool for designing and processing both printer and screen fonts. Standard Amiga fonts and fonts created with Personal Fonts Maker can be transferred to a printer's memory and printed at maximum quality and speed. This program offers you complete control over printed fonts. \$99.95 Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

### SuperFont Sampler 3.0

On a budget? Want a good collection of word processing/paint fonts, but don't need really big ones, or color ones? This version of SuperFont Sampler includes small and medium fonts from Professional Font Library. Great starter package with no compromise in quality. Three diskettes, utilities, two manuals. Over 60 font files, about 25 typefaces from seven to 34 lines high. 512K RAM. \$44.95 CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

## ♦ ♦ ♦ INTEGRATED SYSTEMS ♦ ♦ ♦

### Pen Pal

Color WYSIWYG word processor, built-in database, form generator, with great user interface. Multiple fonts. Line/box/border drawing. Imports, resizes, crops any IFF or HAM pictures. Spelling checker with 100,000-word dictionary. The built-in database can be used for customer lists, student files, accounting, and more. Also sorts, selects, and merges with your documents. Requires 1MB RAM, two disk drives or hard disk, Preferences-supported printer. \$149.95 SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

### ♦ ♦ Professional Calc

This professional business spreadsheet and graphics package offers powerful features and an intuitive user interface. It features over 125 statistical, trigonometric, financial and user definable functions; it also supports ARexx. For fast access to commonly-used functions, the user interface features a graphical control panel. Add multiple fonts and colors, define style tags, generate 2-D and 3-D bar graphs, pie charts, line, column x-y scatter, and area graphs. Take advantage of the onscreen color dithering and special text effects such as embossed, extrude, and drop shadow. Pro Calc also imports several other business software packages and saves charts and graphs as IFF bitmaps, Professional Draw clips, Aegis Draw

Plus clips, and EPS files. \$395.00 Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## ♦ ♦ ♦ SPELL CHECKERS ♦ ♦ ♦

### Foreign Language Dictionaries for ProWrite

German, French, and Swedish dictionaries for use with ProWrite graphic word processor. The German dictionary contains 85,000 words, while the French version contains 130,000 words, and the Swedish version contains 150,000 words. \$35.00 each. \$35.00 New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650

### Nancy-A Spelling Checker

Spelling Checker with corrector is the largest computer dictionary available with over 200,000 words. Learns your mistakes and corrects them automatically. Remembers corrections and typos between executions. Works with all text editors, word processors, database and spreadsheets producing ASCII files. Skips and remembers intentionally misspelled words. Suggests and corrects spellings. Supports Amiga speech, if so desired. Works interactively or unattended. Automatically backs up original files. Dictionary may be enhanced by user. \$16.95 Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022

### Promise

A 95,000-word spell checker with spell help, punctuation. \$49.99 Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### Proper Grammar

Proper Grammar utilizes the Houghton Mifflin CorrecText Grammar Correction System, a powerful expert system that uses context-sensitive rules of grammar to analyze writing and to detect and correct errors in syntax, usage, punctuation, spelling, and style. It is the first and only interactive language-aid system on the Amiga that corrects documents by identifying the grammatical function and relationships among words. It detects 95% of all writing errors. Use with your word processor. Open, check, edit, and save WordPerfect, ProWrite, QuickWrite, Pen Pal, excellence! TextCraft Plus, KindWords, TransWrite, Scribble!, and ASCII files. \$99.95 SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

## ♦ ♦ ♦ TEXT EDITORS ♦ ♦ ♦

### Hangul-Alpha

Korean language text editor. Can print Korean text (Hangul) and English on the same screen. Saves text files in 16-bit KSC-5601 format or as IFF

screens to be used in paint programs. Includes drivers for laser and dot-matrix printers. \$79.95 Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751, (512) 452-2441

### TextEd

Easy-to-use, fast text editor. \$39.95 Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140, (617) 864-8595

### TextEd Plus

Text editor plus FastFonts, FunKeys, ARP, ARexx, and BlitzDisk. \$79.95 Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140, (617) 864-8595

### ♦ disED

A small, fast, easy-to-use text editor designed for programmers, authors, and others who do not require a WYSIWYG display. Coded entirely in optimized 68000 assembly. All the features you'd expect to find in a good editor plus mouse/menu support, macro facility, printer spooling, and the ability to rebind the command keys to your preference or to emulate other editors. AmigaDOS 2.0 compatible, ARexx capable. Requires 512K. \$25.00 dissidents, 10325 Woods Road, Ulica, NY 13502, (315) 797-0343

## ♦ ♦ ♦ UTILITIES ♦ ♦ ♦

### Reason

Analyzes writing style and readability, proof-reads spelling, diction, punctuation, and then suggests improvements. \$395.00 Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### WordPerfect 4.1 Maintenance Update

This update allows WordPerfect users to access files through a standard Amiga file requester system. This new file requester system provides powerful file management capabilities each time a file is saved or retrieved. WordPerfect users familiar with the program's original file requester can still access files by typing the path and name of the file. The update also allows WordPerfect users to use a third party transfer utility to import WordPerfect 4.2 PC files directly into WordPerfect for the Amiga, making it easier to transfer WordPerfect files between the Amiga and other hardware platforms. Improvements have been made to the List Files and Timed Back-Up features in WordPerfect as well as to the Spell Checker. The update also supports automatic edit buffer sizing. The WordPerfect Maintenance Update comes on three disks, and those users with problems in an earlier version who reported it to WPCorp's Amiga Customer Support Department are entitled to receive this update at no charge. \$6.00 WordPerfect Corporation, 1555 N. Technology Way, Orem, UT 84057, (800) 451-5151

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# Desktop Publishing

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## ❖ DESKTOP PUBLISHING ❖ GENERAL

### AmigaTeX

Sophisticated typesetting software. Set of 14 disks with full TeX functionality, ARexx compatibility. Fully supports IFF and PostScript graphics and PostScript fonts. Includes TeX, preview, iniTeX, metafont, inifm LaTeX, SlitEX, and BibTeX. Supports PostScript fonts and graphics, and IFF/ILBM graphics. Over 1500 previewer fonts. Free demo disk. \$200.00  
*Radical Eye Software, P. O. Box 2081, Stanford, CA 94309, (415) 322-6442*

### BME(Bit-Map Editor)

A simple bit-map editing program designed specifically for PageStream 2 and HotLinks. BME can edit pictures two ways, either importing IFF, ILBM, and GIF files directly or importing any bitmap graphic format into PageStream and subscribing it into BME via HotLinks. This allows PageStream users the flexibility of editing any type of bitmap graphic format they wish. BME edits any bitmap graphics with cut, copy, paste, fill, and crop. BME will be released as a bundle package with HotLinks and PageLiner.

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

### ComicSetter

A complete comic generator for the Amiga. Bitmap and structured graphics, layering tools, automatic text balloon generation. Includes clip art, fonts. Prints in B&W or color. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### DeluxePrint II v1.1

DeluxePrint II version 1.1 is a personal creativity program for producing and printing a variety of messages for use in the office, home or school. DeluxePrint II makes the creation of practical printouts quick and easy. It contains seven predesigned formats including signs, greeting cards, banners, letterhead, calendars, four-panel signs, and labels. The program also includes over 150 multi-colored graphics and borders, and a variety of standard Amiga and custom fonts. DeluxePrint II provides full control over every design, by allowing users to replicate, move, resize, flip, and rotate their text and graphics at will, and by providing a full-featured graphics editor for creating their own clip-art or customized graphics. In addition, DeluxePrint II can import DeluxePaint or other compatible programs to be used as background images, and supports the growing library of fonts for the Amiga. Upgrades for the DeluxePrint II 1.0 are available to customers who send in both their art and program disks to P.O. Box 7578, San Mateo, CA. 94403-7578. \$79.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### ❖ Expert Draw

A vectored (structured) drawing program that, in addition to all the normal Bezier drawing facilities, includes autotrace, metamorphosis of one

object into another, color blending across a number of designated objects, multiple duplication with incremental size change and rotation, and object distortion. Output can be to file or printer and includes support for PostScript, HPGL, and HP LaserJet II. Expert Draw can import Professional Page clip art and Aegis Draw 2000 drawings. NTSC/PAL compatible. Requires 1MB for A500/A2000/A3000. AmigaDOS 1.3 and 2.0 compatible. \$99.00  
*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England, (011) 4475-368-6000*

### HotLinks Editions Text and Photo Editing

HotLinks takes a data file—text or graphics—and saves it in an IFF HotLink format. A program conferring to HotLinks can 'publish' files to the HotLinks library and another conferring program can 'subscribe' to that file. HotLinks is a stand-alone product which will be sold by Soft Logik and includes HotLinks, HotLinks Library, BME—a Bit-Map Editor, and PageLiner—a fast text editor. It will come in two product forms, a single-user form, and a networkable form. Requires 1MB, hard drive recommended. \$99.95

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

### ❖ PROClips

A set of structured clip art suitable for use with Professional Page, Expert Draw, etc. Over 100 objects including computers, maps, promotional sticker designs, international road signs, domestic appliances, etc. Most are in full color. \$19.00  
*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England, (011) 4475-368-6000*

### PageLiner

A text editor for the Amiga. PageLiner is a fast word processing program designed specifically for PageStream 2 and HotLinks. It can edit text by either importing standard ASCII text directly, inserting text from another PageLiner document, typing text directly, or importing any text file into PageStream 2 and subscribing it into PageLiner via HotLinks. Will be released as a bundle package with HotLinks and BME.

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

### PageStream 2.1

Professional desktop publishing for the Amiga. PageStream is capable of supporting PostScript, non-PostScript, laser, dot matrix, and inkjet printers. Our outline font technology is complete with Compugraphic's hinted format, and Adobe Type 1 format. In addition, font support includes purchased Gold Disk's Compugraphic fonts and fonts from Adobe and others. PageStream also has typographical features including kerning, tagging, hyphenation, and variable x and y point sizes. In addition, PageStream has graphic features such as importing ProDraw Clips, DR2D, and IFF pictures. Features also include the ability to draw bezier curves, edit polygons, and polylines, and create your own freehand drawings. Requires 1MB of memory; 1.5MB recommended. Upgrades from 1.82 and previous are \$100. New manual and a quick reference manual are included. \$299.95

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

### ❖ PageStream 2.2

This upgrade features enhanced import module and printer driver support, providing users with a wider selection to choose from. Support for plotters has been added, allowing sign cutters as well as plotters to output PageStream documents. Has improved Type 1 extended character set support, and offers a faster font/point dialog box that will display quickly, whether there are 10 or 10,000 fonts. The look has been extensively redesigned to comply with Amiga User Interface Guide and Workbench 2.0. Supports the HotLinks inter-

face. Registered owners of 2.1 and 2.0 will be upgraded automatically, while registered owners of prior versions can upgrade for \$100. \$299.95  
*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

### Pagesetter III

Pagesetter III is designed to provide a complete text and graphics creation and layout system. The package includes a full-featured page layout program, a word processor and spell checker and a color paint program. Also included is a selection of high resolution, structured clip art. New output capabilities include PostScript compatibility on color printing of bitmaps and clip art. Runs on any Amiga, and is Workbench 2.0 compatible. \$129.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### Pelican Press

Pelican Press lets you create giant posters, colorful banners, flyers, newsletters, cards, calendars, wrapping paper and more. Includes a full-featured paint program allowing you to create your own art or customize ours. Print in color or black and white. Print in a variety of sizes, from miniature to monumental. Amiga 500,1000,2000 series,3000. Requires 512K, 1MB rec. \$99.95

*Pelican Software, A Division of Queue Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### ❖ Professional Page 3.0

Latest upgrade to Gold Disk's award-winning DTP package. Automatic Genie functions automate most of routine page layout and DTP tasks. Page Genies automatically create custom page layouts. Function Genies provide new ease of use and user customization of program. You can use over 300 ARexx commands to create your own Genie functions such as hot links to databases or spreadsheets, batch printing, or automatic graphic sizing or placement. Other new features include undo button, irregular text wrap, enhanced color separation and under color removal algorithms, auto-titling for output of larger pages, and text import filters for word processors including ProWrite, Excellence, and QuickWrite. Five new AGFA Compugraphic scalable outline typefaces. Supports Adobe Type 1 fonts; all fonts can be scaled in 0.125-point increments. Workbench 2.0 compatible. Requires 2MB and hard disk drive. \$295.00

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### ❖ Saxon Publisher V1.2

State-of-the-art desktop publishing software. Features industry leading APEX color separation technology, WYSIWYG PostScript Screen Preview, direct support for Amiga, Macintosh, and PC Type 1 fonts, support for all PostScript and Compugraphic Type 3 fonts. Image conversion, font conversion, PostScript compression, monitor calibration, and imagesetter utilities. World's most sophisticated PostScript Interpreter (SaxonScript Professional) included free (\$130 value). Independently benchmarked as fastest Amiga desktop publisher. Extremely fast, efficient, stable; unmatched Customer Service Program. NTSC/PAL. International keyboards. Extensive foreign distribution. Requires 68000/020/030/040, minimum 1MB, one floppy and one hard or two floppy disk drives. AmigaDOS 1.3, 2.0 compatible. \$299.00

*Saxon Industries, P.O. Box 33005, Nepean Ontario, Canada K2C 3Y9, (613) 228-8043*

# Desktop Publishing

## ● SaxonScript Professional

The world's most sophisticated PostScript Interpreter. Produces better graphic output than Adobe PostScript printers. Virtual memory and automatic sensing of 68881/68882. Compatible with ALL Preferences printers and ALL PostScript applications (Professional Page, PageStream, QuarkExpress, CorelDraw, etc.). Supports all monochrome/color PostScript operators and downloadable PostScript fonts; file conversion to IFF, EPS, AEPS, or DR2D; font conversion to Amiga Bitmap, Adobe/PC/Saxon Type 1 formats; extraction of imbedded fonts from PostScript disk files; true PostScript Screen Preview; PostScript compression, moire testing, and more. Free with Saxon Publisher V1.2. NTSC/PAL. International keyboards, foreign distribution. Requires 68000/020/030/040, 1MB min., one floppy and one hard or two floppy disk drives. AmigaDOS 1.3, 2.0 compatible. \$130.00

Saxon Industries, P.O. Box 33005, Nepean Ontario, Canada K2C 3Y9, (613) 228-8043

## ◆ DRAWING PROGRAMS ◆

### DesignWorks

Structured drawing package. When only a drawing can be used to get the idea or concept across, then it's time to use DesignWorks. A structured drawing program created to fit directly into the New Horizons product line and to allow the user to illustrate a concept or idea graphically and quickly in a visual way without becoming a draftsman or an engineer. \$125.00  
New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650

### ● Draw4D-Pro

3-D video and desktop publishing. 3-D graphics and animation. Fast, direct window into 3-D space. Elegant wide angle zoom, rotation controls. Mouse, menu, gadget, keyboard support. Multitasking. Polygons of any number of sides. Powerful modeling/animation tools. Animation preview. Interruptible Z-buffer redraw. Saves IFF, IFF-24, DCTV, Anim, PDraw clip formats. IFF bitmap textures. Facet, Gouraud, Phong shading. Unlimited light sources that can be textured/change color and intensity. Unlimited deform levels. Eye Path. Direct DCTV support. Resolver support available. NTSC/PAL. Foreign distribution. Requires 2MB min. AmigaDOS 2.0 compatible. \$349.00  
Adspec Programming, 467 Arch St., Salem, OH 44460, (216) 337-3325

### Laser Up! Draw

PostScript screen drawing and illustration package duplicates most PostScript drawing functions. Many features include: structured drawing, smooth curves, outline screen fonts, rotated text, help windows, auto tracing, color separations and more. Saves in EPSF format. Choice of text drawing speed. Unlimited object blends. \$124.95  
Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193

### ◆● PSImport™

PSImport is an extremely flexible module for Amiga artists, designers, and desktop publishers. PSImport enables importing most structured PostScript artwork from any computer into viewable and editable ProVector (IFF-DR2D) drawings. PSImport can also translate PostScript Type 1 fonts into ProVector (IFF-OFNT) format. This module offers ProVector users access to an incredible amount of EPS clip art and Type 1 fonts from Macintosh, MS-DOS, and other computer platforms. Requires ProVector 2.1 or higher, 1MB total RAM, AmigaDOS 1.3 or higher, and at least one disk drive. If importing drawings or fonts originating from non-Amiga platforms, user must first transfer files to an Amiga-readable disk using modem or transfer utility such as Cross-DOS. \$89.95

Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522, (303) 484-7321

### ● ProVector 2.1

ProVector is an extremely fast and flexible object-oriented drawing program with a unique user-friendly interface. ProVector is fully multitasking

and allows multiple drawings to be loaded/created simultaneously for easy cutting and pasting of objects. ProVector features a fast and accurate free-hand tool as well as bezier curve, regular and irregular polygon tools for both smooth and straight-line polygons. Other features include user configurable UNDO (up to 255 steps), extremely flexible object alignment, rulers, text-to-path, user editable color fill patterns, grid-snap and much more. ProVector is completely user-configurable, offers keyboard shortcuts for most operations and includes a user-selectable measurement system (Inches, Pica, Centimeters) as well as ARexx compatibility (several useful ARexx macros are included). Requires 1MB of total RAM, AmigaDOS 1.3 or higher, a minimum of one disk drive. AmigaDOS 2.0 compatible. \$299.95  
Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522, (303) 484-7321

### Professional Draw 2.0

Professional Draw 2.0, an object-oriented color graphic design and illustration tool, has a five-fold increase over previous releases. It has an AutoTracing feature that can generate objects by automatically tracing over bitmapped graphics. Professional Draw 2.0's proprietary object manipulation algorithms can also 'blend' any two objects, colors, or lines by automatically drawing extra transitional images. Added features include the ability to write text along curves and perform color dithering, which yields over 1000 apparent colors on screen at once in hires mode. Images output to the highest resolution of your 9- or 24-pin dot matrix, InkJet, LaserJet, or PostScript printer. \$199.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## ◆◆◆ CLIP ART ◆◆◆

### AMiZoo

Made expressly for DTP use (though these brushes also work well as video components), these 8- and 16-color hi-res brushes are the first of dozens of volumes to follow. The first three disks focus upon Frogs, Fish, and Birds. Each disk is packed with images, and the brushes are deftly cut out of their backgrounds, guaranteeing clean placement on the printed page, and options as to overlapping in both DTP and video use. They can be used with any Amiga paint program that accepts hi-res IFF's. Three disks. \$44.95  
Eyeful Tower Comm. / Earful Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

### Art Gallery I & II

Supplemental clip art for PrintMaster Plus with 140 graphics, mixed themes. \$39.95  
Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670

### Art Gallery: Fantasy

Fantasy theme supplemental clip art for PrintMaster with 120 graphics. \$29.95  
Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670

### ArtisticCLIPS

Clip art in the Professional Draw clip format. Includes a manual showing all the images, and contains hints on using them in PageStream and Professional Page. These images contain a high level of detail, and have realistic colors which have been chosen to produce optimum results when printed using either black and white or color printers. Many clips contain shadings and gradients, and produce excellent results when color separated. These clips are suited to both hobbyists and professionals, and will print to the maximum resolution of your printer, whether dot matrix or hi-res imagesetter. ArtisticCLIPS are constructed to be easily modified when a specific design is required, such as for a magazine ad or logo. They can be used without modification for general applications such as newsletters. Volume 1 contains individual objects, \$41.95. Volume 2 contains complete scenes, \$41.95.  
Artistic Software, Inc., 55 Selwyn Place, Kanata, Ontario, Canada K2K 1P1, (613) 591-6039

### Canvas v1

Canvas is the first in a series of full screen art collections by Warner Bros. artist/ animator Ryan Roberts. The three-disk package includes 13 classically styled animations and five pictures, all featuring animals and fantasy characters. \$34.95  
INOVAtronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

### Color Clip Art Vol.I-General

More than 200 color bitmapped images in Amiga IFF (ILBM) format for use in paint, desktop publishing, hypermedia, etc. Includes 20-page manual with instructions, index, and a printed sample of each image. Hi-res images. \$34.95  
Software Designs O. Box 2521, West Columbia, SC 29171, (803) 951-6366

### Color Clip Art Vol.II-Holiday

Color, bitmapped images on Christmas theme. Includes 'tree decorating kit,' a 'nativity construction kit,' and an assortment of full-screen pictures especially for making greeting cards. \$34.95  
Software Designs O. Box 2521, West Columbia, SC 29171, (803) 951-6366

### Color Clip Art Vol.III-Animals

Color, bitmapped images in 10 categories of animals—most anti-aliased, realistic; for use in paint, DTP, hypermedia, etc. Includes a 16-page manual with extensive instructions and a printed sample of each image. Hi-res images. \$34.95  
Software Designs O. Box 2521, West Columbia, SC 29171, (803) 951-6366

### Color Clip Art Vol.IV-General

Color, bitmapped images—the most requested ones by owners of Volumes I-III. \$34.95  
Software Designs O. Box 2521, West Columbia, SC 29171, (803) 951-6366

### Comic Art-Funny Figures

Professionally-drawn clip art for ComicSetter featuring looney-toon-style figures, backgrounds, and props. Can be used with any IFF program. \$34.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### Comic Art-Science Fiction

Science fiction clip art for Comic Setter with body parts, backgrounds, and props. Can be used with any IFF program. \$34.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### Comic Art-Super Heroes

More clip art for Comic Setter. Two-disk module features Super Heroes. Can be used with any IFF program. \$34.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### Interface Design Kit

This kit provides excellent button and icon clip art to the countless people who use multimedia presentation systems and software authoring systems. Included are dozens of buttons and icons depicting frequently-used features in Amiga software—mouse, music, videodisc, clock, printer, etc. Also included are several versions of generic buttons such as circles, rectangles and arrows. All buttons included in medium-res and hi-res. Four disks. \$59.95  
INOVAtronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

### ◆ LogoLibrary™

Consists of over 1060 images for desktop publishing. Included are over 600 printer's logos for business advertising, stationery, etc. There are also 460 symbols and graphics for charts, posters, shirt designs, signs, etc. All images are hi-res 300 dpi graphics in .IMG format for PageStream and TouchUp. Six disks and 72-page directory. Distributed by American Software Distribution. \$39.95  
Sterling Connection, The, P.O. Box 4850, Berkeley, CA 94704, (510) 655-2355

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Summer '92 ©1992



# Desktop Publishing

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## Lunar Construction Set

A two-disk set of clip art and background components for creating custom-made lunar and space scenes. LCS includes several brush ANIMS, as well as several full screen anims and pics which stand as examples of the usage of these components. The package also includes some informative screens depicting how detailed asteroids, mountains, and craters are drawn, step-by-step. Overall, 183 clips; 24 pics (some in HAM mode) and 10 ANIMS appear in this package. \$24.95  
INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

## ixelations' PostScript Series: Typographers' Ornaments Volume 1,2,3,6,&7.

These are Amiga-Encapsulated PostScript clip art, including both IFF screen representations and the EPS code. The ornaments themselves are structured-drawing versions of traditional printers' illustrations; very distinctive, highly versatile, and well-suited for repeated use. They can be used with PixelScript or any PostScript printer. \$65.00  
Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866

## Pro-Quality Clip Art PGS. Struct.#1

Pro-Quality Clip Art, 100% PageStream compatible structured drawings. Aegis format. Includes symbols, holidays, U.S. map, and airplanes. One disk. No jaggies. \$19.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured Airplanes V1

Over 70 Aegis-format, structured drawings of early and modern airplanes—from the Fokker to the F14, with 100% Professional Page compatibility. No jaggies. \$19.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured Collection #1

Aegis format, structured drawings. Symbols V1, cartoons V1, Holidays V1, U.S. and World Maps, with 100% Professional Page compatibility. Five disks, 300 drawings. No jaggies. \$99.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured Collection #2

Aegis-format, structured drawings. Symbols V2, cartoons V2, Sports V1, and Animals V1, with 100% Professional Page compatibility. Five disks, 450 drawings. No jaggies. \$99.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured PreHistoric Animals

Twenty-four Aegis format, structured drawings of prehistoric creatures, with 100% compatibility with Professional Page. No jaggies. \$19.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Professional ClipArt Vol.1

Structured clipart for the Commodore Amiga, for use with desktop publishing and structured art programs, like Professional Page, Professional Draw, PageStream 2.1. Includes images on Australian themes. \$49.00  
Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia, (011) 616-239-6658

## Professional ClipArt Vol.2

Structured clipart for the Commodore Amiga, for use with desktop publishing and structured art programs, like Professional Page, Professional Draw, PageStream 2.1. Structures collection. Included in Vol.2, contains Sydney Harbour Bridge, Sydney Opera House, and New Parliament House, Canberra. \$49.00  
Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia, (011) 616-239-6658

## Scannery

Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 grayscales. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the Aefax/modem. It features ease of use and installation.

\$250.00

Concise Logic, 36 Tamarack Ave., Ste. 315, Danbury, CT 06811, (203) 746-6739

## SilverClips

SilverClips is a unique gallery of black and white IFF images from Creative Focus. Two disks, with a total of 18 original hi-res graphics, provide unusual perspectives on the urban landscape and beauty in unlikely places. The photographic-quality pictures are compatible with any Amiga paint, image processing, video, or desktop publishing program. \$30.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

## Structured Clip Art #1

One full disk of Structured Clip Art for use in ProPage, ProDraw and PageStream 2.1. No Jaggies! These clips are black and white and can be easily edited or colored using ProDraw. Disk One contains Electric Guitars, Skulls, Tropical Fish, World Peace, and Sportsmans Clips. \$17.50  
Lazer Tech Ink, P.O. Box 9471, Anaheim, CA 92812, (714) 772-8428

## ◆ Structured ClipArt

Dozens of pieces of full-color, high-resolution, professionally drawn artwork that you can use to illustrate and enliven your publishing. The clipart covers a wide variety of topics: holidays, food, business, sports, figures, universal signs, maps, and more. \$59.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## SuperClips

Structured clip art for use with desktop publishing software like Professional Page, Professional Draw, PageStream, PixelScript, and others. Grayscale images may be colored to taste for jaggie-free printing as full color separations, grayscale, or black and white. Images may be resized at will without loss of definition for magazine quality output. Highly detailed art features professional quality not found in simple silhouette cutout clip art. Unusual images unique to the marketplace guarantee the personal touch to your publications. Very modern, very affordable, very professional art in useful categories: High Tech, Domestic, Plants, Unusual Symbols, Kitchen, Celestial, Transport, and Borders. Hundreds of objects can also be re-assembled for custom creations using Professional Draw (Gold Disk); and 3-D effects used throughout for visual impact. Encapsulated Postscript Format (EPSF) compatible. \$29.95  
King Publishing, 1200 Treadway #226, Austin, TX 78704, (512) 448-2414

## The Super Sample Disk

Includes samples of both Aegis-Format Structured Drawings and IFF hi-res MultiScreens. Decide yourself which format is best tailored for your project—DTP, DTV, bitmap graphics, etc. \$6.00  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## The World Symbol Library Volume 1

Volume 1 contains: A) Egyptian Line Art & Grayscale; B) Egyptian Line Art, Halftones, and HAM, and C) Celtic 300 dpi Line Art. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 2

Volume 2 contains: A) Babylon, Assyrian, Egyptian, Chinese, Greek-Roman, Taoist, Gnostic, and other symbols; B) Egypt, Astrological, Goddess, Hindu, Nordic, Buddhist, Medieval, Islamic, and Japanese; and C) Alchemical Symbols. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this

growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95

EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 3

Volume 3 contains: A) Hebrew and Christian; B) Astronomy and Astology; C) Vedic, Hindu, Taoist, Confucian. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 4

Volume 4 contains: A) Mayan, Aztec, Incan; B) Imaginary and Misc.; C) North American Indian and others. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 5

Volume 5 contains: A) Greek, Roman, Germanic, Assyrian; B) Minoan, Celtic, And Buddhist grayscale symbols. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## Ultra Clips™ Business Bundle

Ultra Clips™ Business Bundle contains both Vol.II and III of the Ultra Clips™ series. The bundle contains over seventy top quality Encapsulated PostScript images. \$69.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Dingbats Bundle

Ultra Clips™ Dingbats Bundle contains Volumes IV, V, and VI. The Dingbats Bundle has more than 150 images ready for publication. \$89.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Portfolio Bundle

Ultra Clips™ Portfolio Bundle contains Volumes XI, XII, XIII, and XIV of the Ultra Clips™ series. The bundle contains over a hundred quality images. \$99.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Super Bundle

Ultra Clips™ Super Bundle contains all 16 volumes of the Ultra Clips™ series. The bundle has more than 600 images ready for use. \$499.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

# Desktop Publishing

## Ultra Clips™ Vol. I: Animals

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. I: Animals contains many commonly referred to animals in EPSE format. Since it is an Encapsulated PostScript File, there are no jaggies when printed. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. II: Business A-M

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. II: Business A-M contains business symbols and objects that start with letters A-M. Since it is an Encapsulated PostScript File, there are no jaggies when printed. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. III: Business N-Z

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. III: Business N-Z contains business symbols and objects that start with letters N-Z. Since it is an Encapsulated PostScript File, there are no jaggies when printed. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. IV: Dingbats A-C

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. IV: Dingbats A-C contains a multitude of symbols for use in newsletters, Flyers, etc. All of the symbols are of the highest quality. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. IX: Humor

Ultra Clips™ Vol. IX: Humor contains a large number of images meant to add a little life to a document. These images are extremely well drawn and ready for use. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. V: Dingbats D-M

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. V: Dingbats D-M contains a multitude of symbols for use in newsletters, Flyers, etc. All of the symbols are of the highest quality. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. VI: Dingbats N-Z

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. VI: Dingbats N-Z contains a multitude of symbols for use in newsletters, Flyers, etc. All of the symbols are of the highest quality. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. VII: Banners & People

Ultra Clips™ Vol. VII: Banners & People is especially suited for creating awards, banners, or flyers for young children. Use the image of George Washington for President's Day or the award plaque image for that special prize. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. X: Maps

Ultra Clips™ Vol. X: Maps contains all of the states accurately rendered. The volume also contains a map of all the continents, a world globe, and a map of the United States. \$59.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. XI: Portfolio A-E

Volume XI of the Ultra Clips™ series contains a variety of symbols. The images are as varied as an African Mask and an engineering symbol. Also included is a microscope, abacus, and dietary foods. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. XIII: Portfolio N-R

Volume XIII of the Ultra Clips™ series contains a variety of symbols. The images are as varied as a New York Skyline to a pair of reading glasses. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. XIV: Portfolio S-Z

Volume XIV of the Ultra Clips™ series contains a variety of symbols. The images are as varied as a school house and tuxedo. Other images are a telephone, spider web, and tea cups. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. XV Sports

The sports volume of Ultra Clips™ professional clip art series contains an image of just about every popular sport. Fencing, archery, football, and basketball just to name a few. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. XVI: Transportation

The transportation volume of Ultra Clips™ professional clip art contains a multitude of images dealing with all modes of transportation. We have an image for any need whether it be boat, train, plane, or car. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Ultra Clips™ Vol. VII: Holidays

Ultra Clips™ Vol. VII: Holidays contains a clip art image for any holiday newsletter or event, as with all of the other Ultra-clips™ the images are guaranteed not to have those unsightly jaggies. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

## Video Visions Vol. 13: Slidestream Slide Templates

Two disks of business-type slide frames ready-made for Professional Page and PageStream. Have design setups useful for a slide presentation. Clips are also provided to import golden bars, etc., to have users build a colorful slide show with many aids in the production of pies, chart, diagrams, and word slides. Requires 1MB, and PageStream or Pro Page. \$28.00  
CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## WRAP SESSION

Texture wrapping is a technique made possible by the computer art medium. With it, textures and pictures can be wrapped on any 3-D or pseudo-3-D surface, giving forms the look and feel of the textures placed upon them. The results are often spectacular, and always amazing, especially on the Amiga. These volumes represent the most diverse and unique library of texture maps anywhere, and were created with the Amiga artist, animator, and desktop publisher in mind. Some are in HAM color, in grayscale hi-res, and in sharp black and white. The volumes are separated according to subject area of the topic. WRAP SESSION 1 contains: A) OP-ART Wraps, B) OP-ART Wraps, C) a free art disk. WRAP SESSION 2 contains: A) OP-ART Wraps, B) OP-ART Wraps and grayscales. WRAP SESSION 3 contains: A) Scanned Wraps of Crochet Patterns, B) Scanned Wraps of Crochet Patterns. WRAP SESSION 4 contains: A) Amish Quilt Wraps, B) HAM Flower Wraps. WRAP SESSION 5 contains: A) Wraps of Electron-microscope wood patterns, B) More Crochet Wraps and Electron-microscope wood patterns. WRAP SESSION 6 contains: A) HAM Natural Wraps: Wood, gravel, rock, and other surfaces, B) More HAM Natural Wraps. WRAP SESSION 7 contains: Additional Natural Wraps, B) Additional Natural Wraps. WRAP SESSION 8 contains: A) Full color Sky Wraps, which give the illusion of living planets when texture mapped on spheres, B) more Sky Wraps. Each two-disk set is sold separately for \$49.95.

EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## World Symbol Library Vol.6

Volume 6 focuses upon grayscale images configured from 24-bit scans at 200 dpi. Subjects include Egyptian, Buddhist, and other world icons. One disk features 16-color hi-res images. Three-disk set. \$44.95

EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## World Symbol Library Vol.7

Anyone ordering this package must show proof that they are 18 years or older. This four-disk set focuses upon 'sexual symbols of the world' and covers a host of cultures and time periods. The

material varies from black and white, to grayscale, to full color, and is suitable for both DTV and DTP use. \$99.95

EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## eclips 1

Structured clip art in ProDraw format. Requires ProDraw or Professional Page 1.2 or higher. PostScript device required for output with ProPage. Over 300 pieces of high quality black and white clip art on four disks. No jaggies. \$99.00

AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

## eclips 2

Over 200 pieces of structured clip art in Encapsulated PostScript Format (EPSF). Compatible with PageStream, Professional Page, Saxon Publisher, and any other Amiga program that accepts EPSF files. Wide variety of images. 5MB of data on 6 disks. TIFF header for preview in PageStream. Requires PostScript output device or emulator. \$99.00

AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

## ♦ ♦ ♦ FONTS ♦ ♦ ♦

### ♦ 600 Amiga Fonts

Six-disk set of AmigaDOS standard bitmap diskfonts. Approx. 250 typestyles in two to three sizes each (average). Over 400 fonts in DTP size range of 9 to 25 points, but largest is 122 points. Easiest beginner instructions ever. Immediately ready to use in many, many popular programs. Requires Kickstart, Workbench, RAM, hard/floppy drives, some program capable of loading/displaying/using diskfonts. \$30.00  
The BCS Group, Distributed by Vertical, Inc., 1411 LeMay #406, Carrollton, TX 75007, (214) 466-0048

### ● Anti-A

Anti-A is a font enhancement utility which produces anti-aliased fonts for use with art and video titling programs. It loads any normal Amiga fonts, as well as directly supporting WB2.04 scalable fonts. Four-level anti-aliasing is used to produce grayscale ColorFonts in sizes up to 150 point. Nine new scaled-down sizes can be produced from each font loaded. Suggested for use with DeluxePaint, Broadcast Titler, etc. Auto PAL/NTSC switch. Requires 512K min., 1MB plus recommended, one disk drive (hard disk an advantage), AmigaDOS 1.3/2.04 (can use 2.04 outline fonts). \$65, £40. \$65.00  
Zen Computer Services, 2 Silver Birch Grove, Swinton, Manchester M27 1FS, England, (011) 4461-793-1931

### DJ Fonts Volume II

DJ Fonts Volume II is another three-disk collection of downloadable HP DeskJet soft fonts. It contains 64 different fonts spread among 17 different typefaces, including Rockland and Amertype, and 10 varieties each of Hollow, Shadow, and Obverse Shadow fonts. Point sizes are from 10 to 30. Most are proportional, and more than two-thirds are one- or two-pass fonts that can be used with any DeskJet. \$20.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

### DJ Fonts Volume I

DJ Fonts Volume I is a three-disk collection of 76 downloadable soft fonts for the HP DeskJet. The 27 different typefaces include Roman, Helv, Big City, Centrum, Garamet, Optimis, and Symbols. The fonts range in size from 4 to 40 point, and feature 24 different 18-point fonts. Most are proportional, one- or two-pass fonts that can be used with any DeskJet, and include normal, bold, upright, and italic styles. \$20.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

### Dennis Palumbo Font Disks 1-5

Professional, high quality outline fonts compatible with PageStream. Disk 1 contains Gallya Ornamented, Kooper Black and Plaebill fonts. Disk 2 contains Basketville, Gallya, and Decorative Borders fonts. Disk 3 contains Helvetic Extra

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# Desktop Publishing

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Last Minute Additions

Light, Casslon, and Fractions fonts. Fractions composes any fraction in serif or sans serif, in bold or normal type. Disk 4 contains Garmond, Garmond Bold, and Garmond Light fonts. Disk 5 contains Decorative Borders 2, Filmstrip, and Marquee fonts. Each alphabet font contains a minimum of 184 characters, including upper and lower case, numbers, punctuation, foreign and special characters, all designed specifically for that style of type. Requires PageStream 1.8 or 2.1. \$34.95

Dennis Palumbo, 104 Barrymore Blvd., Dept. X, Franklin Square, NY 11010, (516) 352-5605

## Esperanto PS

Makes any font an Esperanto font! Modifies the PostScript output of both Pro Page and Excellence to print the international language by redefining the PostScript show routines. Several PostScript programs are included. One will insert special kerning instructions into existing PostScript document files. Another will make the printer Esperantize all following documents until it is reset. Better yet, permanently replace your existing PostScript prolog files with our modified versions and produce Esperanto characters automatically. Full documentation is provided, complete with examples. Comes with one free issue of Semanto, a bilingual Esperanto newsletter produced with Pro Page and Esperanto-PS. \$18.87

Kalamazua Progresantaro, 224 Rose Place, Kalamazoo, MI 49001-2617, (616) 349-1327

## Fonts & Borders

Forty supplemental fonts and borders for PrintMaster Plus, and free upgrade disk for original PrintMaster. \$34.95

Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670

## Gold Disk Type

A collection of Compugraphic outline fonts consisting of four separate packages of three fonts each for use in Amiga-based desktop publishing, video titling, and word processing. Available packages include the Publisher Pack with Garamond Antiqua, Futura Book II and Antique Olive; the Designer Pack with CG Bodoni Book, Extended and Park Avenue; the Decorative Pack with Brush, Cooper Black, and Letraset Revue Shadow; and the Video Pack with Bold II, Clarendon, and Dom Casual. \$59.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## Laser Up! Fonts Vol. 1

Three new downloadable analytic fonts for PostScript printers. Round, Classic, and Showtime, from two points to at least 64,000. Professional-Page (Gold Disk) compatible. Also, now includes screen versions of each font plus Adobe Font Metric files (AFM) and ProPage metric files, and a ProPage install script file. \$49.95

Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193

## Mifont 1.1c

Mifont, the PostScript Font Conversion/Management system, converts Macintosh PostScript screen fonts into standard Amiga bitmap/Professional Page metric file formats. As well, Mifont converts any Mac or IBM Type 1 printer font into a format that Professional Page can download automatically. Mifont is extremely easy to use and contains powerful font management functions for maintaining large font libraries. The Adobe Screen Font Library (over 1000 fonts!) is available from Mirror Image at PD prices! Professional Page 2.1/Workbench 2.0 compatible. \$105.00

Mirror Image Productions, 30 Aurora Court Ste. 1209, Scarborough Ontario, Canada M1W 2M3, (416) 495-7469

## Mioutline 1.0a

Mioutline 1.0 will convert any PostScript Type 1 printer font, in either Mac or IBM format, into a fully compatible Professional Draw outline font. The font's actual letterforms may then be manipulated with any of ProDraw's drawing tools to create effects, specialty type, and logos. All font characters (to a maximum of 224) are accessible from ProDraw, complete with kerning. As with Mifont, all standard characters are rearranged to Amiga order. Also included is a utility for instantly viewing any ProDraw font's character outlines,

kerning pair values, and the key combinations to call them. As well, a printed PostScript chart can be generated to display this information in three different page formats. ProDraw 2.0/Workbench 2.0 compatible. \$125.00

Mirror Image Productions, 30 Aurora Court Ste. 1209, Scarborough Ontario, Canada M1W 2M3, (416) 495-7469

## Midnight Fonts DTP

Original fonts for various applications. This is the desktop publishing set of the Midnight Font series. \$29.95

Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## Newsletter Fonts, Vol. I

Over 100 fonts designed by Andre Page. Roman and Helvetica are ideal for mapping to PostScript laser printer as screen representation fonts. \$46.25

Interactive Software, 2521 S. Vista Way, Ste. 255, Carlsbad, CA 92008, (619) 434-5327

## Outline Fonts

These high-quality AGFA Compugraphic outline fonts are designed for use with Professional Page v1.3 and higher as well as Professional Draw. All are postscript compatible which will output to the highest resolution of any type of printer. Also included is a utility to allow you to convert these fonts to standard Amiga bitmap fonts. \$199.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## PROGRAFIX SOURCE Benchmark Fonts

PROGRAFIX SOURCE Benchmark Fonts are high quality collections of classic and contemporary display fonts designed to add dynamic high visibility impact to your projects, whether used alone or as a supplement to text fonts already available for the Amiga. The PROGRAFIX SOURCE Benchmark Font series currently includes the following collections, priced at \$47.95 each: Society Hand Benchmark, Font Collection Quick Hand, Benchmark Font Collection, ArtDeco Benchmark Font Collection, King's Quill Benchmark Font Collection, Cleric's Quill Benchmark Font Collection, GraphiCraft Benchmark Font Collection, and Free Flow Benchmark Font Collection. \$47.95

PROGRAFIX SOURCE, 3827 South 58th Court, Cicero, IL 60650-4212

## PageStream Disk A

Disk A contains screen font files and font metric files for 11 fonts. This package does not include the outline font files. The 11 fonts are Avant Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbol, and Times. This package is for PostScript printer users only. \$39.95

Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## PageStream Font Pack 1

Font Pack 1 contains outline font files, screen font files, and font metric files for 14 fonts. The 14 fonts are Athena, Calgary, Circus, Devoll, Elegance, Keyboard 2, LinePrinter, LuciSans, PageStream, Roman Bookface, Spokane, Thames, WestSide, and Zip. \$75.00

Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## PageStream Plus Pack

The Plus Pack contains outline font files, screen font files, and font metric files for 11 fonts. The 11 fonts are Avant Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbol, and Times. \$75.00

Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## Pixelations' PostScript Series; Typeface

### Volumes One-Six

Each volume contains three to four PostScript Fonts each; PostScript fonts, are infinitely scalable for the widest possible range of point sizes. Complete Amiga support files and bitmaps are included for Professional Page, PageStream, excellence!, ProWrite/ProScript, PageSetter/LaserScript, City Desk 2.0, and Shakespeare. An intuition installation utility allows automated installation of correct support files for the packages used. Can be used with PixelScript or PostScript printer. \$70.00

Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866

## ProFonts I

Professional. Has 10 type faces with a broad range of point sizes. Compatible with all programs that use Amiga fonts, including ProWrite, DesignWorks, and DeluxePaint. \$34.95

New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650

## ProFonts II

Decorative. Has 40 different type faces used for presentation pieces, decorative applications, and attention-getting headlines. Compatible with all programs that use Amiga fonts, including ProWrite, DesignWorks, and DeluxePaint. \$34.95

New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650

## ◆◆ ProStream PostScript Type-1 Fonts

Six-disk set consists of two disks of Professional Page PS fonts, two disks of PageStream PS fonts, and two disks of AmigaDOS standard bitmap diskfonts. Includes 38 ProPage fonts usable by all versions since 1.2. These are screen fonts for page layout and ProPage metric files for precision kerning/letterfitting. An additional 12 PS fonts are also included in the PageStream fonts. Integrate any of the 114 AmigaDOS standard bitmap diskfonts with DeluxePaint, Scala, ShowMaker, Amigavision, ToasterPaint, and other programs. Printer requirements vary for fonts. Requires some program capable of loading/displaying/using diskfonts. \$37.95; also new upgrade offers 70 fonts for \$70. \$37.95

Allied Studios, 482 Hayes Street, San Francisco, CA 94102, (415) 863-1781

## ● SHADOWMAKER

An Intuition-based font shadow and anti-aliasing generator. Using a WYSIWYG real time interface, Antialiasing and background Shadows are added to normal Amiga fonts. Total Load/Convert/Save times are under one minute. Extremely easy to use, no prior experience required. Requires Amiga 500/1000/2000/2500/3000; Workbench 1.3 or higher; 1MB RAM; Workbench 2.0 Compatible. \$24.99

L & V Productions Reg'd, 110 Columbus Ave., Moncton, New Brunswick, Canada E1A-5E4, (506) 532-0094

## Soft-Logik Clip Art Library

The Clip Art Library contains over 2000 EPS graphics which can be printed to PostScript printers. Each illustration also contains a TIFF bitmap header which can be printed to any type of printer. These graphics can be imported into PageStream 2 as objects for editing and printing. The Clip Art Library is composed of 21 volumes of varying themes such as Business & Industry, Food & Entertainment, and Universal Symbols. Each volume retails at \$99.00. \$99.00

Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## Soft-Logik Library Classic Fonts

Classic Fonts contain 16 PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The 16 fonts are ITC Berkley Oldstyle Book, ITC Berkley Oldstyle Book Italic, ITC Berkley Oldstyle Bold, ITC Berkley Oldstyle Bold Italic, ITC Caslon Book, ITC Caslon Book Italic, Castle, Commercial Script, ITC Fenice Regular, ITC Fenice Regular Italic, Futura Condensed Bold, Futura Condensed Extra Bold, Futura Light, Futura Medium, Gill Sans and Gill Sans Bold. \$199.95

Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## Soft-Logik Library Designer Fonts

Designer Fonts contain 16 PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The 16 fonts are Architectura, Ad Lib, Albertus Bold, Banco, Corvinus Skyline, ITC Clearface Contour, Eurostil Extended Bold, Fraktur, Friz Quadrata, Friz Quadrata Bold, Gill Sans Ultra Bold, L & C Hairline, Murray Hill, New Yorker, Reporter, and Uniform 49 Ultra Condensed. \$199.95

Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## Soft-Logik Library Newsletter Fonts

Newsletter Fonts contain eight PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application.



# Desktop Publishing

The eight fonts are Brush Script, Comic Book Two, Lubalin Graph Medium, Minipics, Olive Antique, Olive Antique Black, Stone Informal Medium, and Stone Informal Medium Italic. \$99.95

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

## Soft-Logik Library Starter Fonts

Starter Fonts contain eight PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The eight fonts are American Typewriter Medium, Cooper Black, ITC Machine, ITC Souvenir Light, ITC Souvenir Light Italic, ITC Stone Sans Medium, ITC Stone Sans Bold and Surf Style Bold. \$99.95

*Soft-Logik Publishing Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608*

## ♦ ♦ ♦ FORMS ♦ ♦ ♦

### Award Maker Cartoon Library

The Cartoon Library will provide you with 47 new certificates using hilarious cartoon characters. \$19.95

*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

### Award Maker Education Library

The Education Library will provide you with 10 new borders not available anywhere else. Plus you will receive the four new fonts. \$29.95

*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

### Award Maker Plus

Easy-to-follow program creates awards, certificates, licenses, coupons, or other documents you design. Program prints hundreds of pre-designed award styles, allowing you to choose text style, enter your own message, and select the border style and color. In some styles, you can enter your own hi-res picture. Features professionally designed color and B&W borders, gold embossed press-on seals, and class name file capability. \$49.95

*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

### Award Maker Sports Library

The Sports Library will provide you with seven new borders not available anywhere else. Plus you will receive the four new fonts. \$29.95

*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

### Idea Forms One

Idea Forms One is a personal productivity package for use with PageStream. Idea Forms includes over 200 templates and forms for personal or small business use. The templates are divided into 11 design series, allowing you to maintain a uniform appearance for a range of documents. Requires PageStream 2.1 or higher. Includes three disks and 24-page manual. Price: \$34.95 plus 5% shipping and handling (10% outside USA and Canada).

*I•Koen Design, P.O. Box 107, Lazo, B.C., Canada V0R 2K0*

### QwikForms™

Qwikforms consists of over 100 different forms and layouts for PageStream. Forms are included for business, legal, and real estate. Save time with ready-made layouts and templates for invoices, ledgers, newsletters, resumes, stationery, charts, menus, wills, invitations, cards, booklets, flyers, etc. Also included are architectural symbols for floor plans, logos for business stationery, and two disks of clip art. \$39.95

*Sterling Connection, The, P.O. Box 4850, Berkeley, CA 94704, (510) 655-2355*

### Ultra-Forms™ Volume I PageStream™

High-quality professional business forms for use with PageStream™ and over 60 forms are included. These forms are ready to be printed after some slight modifications to personalize the form. \$29.95

*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901*

### Ultra-Forms™ Volume I Professional Page™

High-quality professional business forms for use with Professional Page™ and over 60 forms are included. These forms are to be printed after some personalization by the user. \$29.95

*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901*

## ♦ ♦ ♦ PRINT UTILITIES ♦ ♦ ♦

### 360 dpi Fonts

Complete set of 360 dpi fonts for the NEC 24-pin printers. Requires the NEC P6 driver and AmigaTeX, 10 disks. \$75.00

*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 322-6442*

### Epson FX Printer Driver

AmigaTeX driver and fonts for the Epson FX, MX, JX, and compatible series of printers. Also includes separate driver for almost all Epson-compatible printers, 10 disks. \$100.00

*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 322-6442*

### FinePrint

Multiple gray-shade print program works with most dot-matrix printers. Makes highly-detailed prints with true shades of gray. Makes near-photograph-quality prints. Makes postage-stamp sized as well as mural-sized prints. Mouse-oriented and easy to use. \$49.95

*Designlab, P.O. Box 419, Owego, NY 13827, (607) 687-5740*

### ImageWriter II

AmigaTeX driver for the ImageWriter II, 2 disks. \$100.00

*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 322-6442*

### Laser Printer Drivers

AmigaTeX laser drivers. Includes drivers for 300 dpi PostScript printers, the HP LaserJet Plus and Series II, and the HP Deskjet printers, with 8 disks. \$100.00

*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 322-6442*

### Laser Up! Plot

Converts Aegis Draw and Draw Plus drawings to PostScript. \$49.95

*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

### Laser Up! Print 1.2

PostScript image printing system with many features. WYSIWYG scaling and translation landscape or portrait. Unlimited x and y printed image scaling. Wide variety of borders and half-tone screen types selectable from menu. Four color process separations with targets-positives or negatives. You can save images as PostScript text files, which can be used with any operating system, or send them directly to any PostScript printer or typesetting machine. It's completely menu-driven with many features. \$89.95

*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

### Laser Up! Utilities Vol. 1

PostScript procedures for typesetting. Standardized formatting commands for many functions. New Intuition user interface. \$39.95

*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

### NEC P6 Driver

AmigaTeX drivers and fonts for the NEC P6/P7 series of printers and the Epson LQ series of 24-pin printers with 6 disks. \$100.00

*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 322-6442*

### PSFont 2.0

PSFont 2.0, the Adobe Postscript™ font downloader for the Amiga allows the user to tap into the many font styles currently available to the MS-DOS and Macintosh communities. PSFont 2.0 allows the Amiga Desktop Publisher to download Type I (Adobe) and Type III (PostScript™ compatible) fonts to a PostScript device (laser printers, imagesetters, etc.). PSFont can down-

load multiple fonts, through both series and parallel interfaces, limited only by the amount of existing memory on the printer. Full CLI, Workbench and TASS support. PSFont is Workbench 2.0 compatible. \$139.95

*Canadian Software Developers, 4 Caithness Avenue, Toronto, Ontario, Canada M4J 3X7, (416) 466-6450*

### Palette Printer

Hard copy output can closely match your RGB monitor colors. P.P. is a carefully designed color match and color selection system for the Amiga artists and graphic designers. 30 IFF files print 850 color swatches to any color printer. Compare these P.P. color charts to any process printer's color match system of your computer monitor to select color settings in any Amiga paint or desktop publishing program to create a matching color. Create professional product design models or graphic design approval layout. Or, simply use the P.P. charts as the fastest reference utility to pre-select color settings for precise hard copy results. \$29.95

*Ontological Survey, P.O. Box 17488, Milwaukee, WI 53217, (414) 332-1818*

### PixelScript V1.1

PixelScript brings the power of PostScript to your Preferences printer, at any resolution your printer supports. PixelScript comes with equivalents to the two leading font families (Times and Helvetica). PixelScript supports Encapsulated PostScript clip art for truly professional desktop publishing. Additional fonts, clip art, and utilities available. \$149.00

*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866*

### Pixelations' PostScript Series; PostScript Printer Utilities

This disk contains six utilities which facilitate the use of PostScript printers with Amigas. Included: Download Fonts; Print-a-PostScript File; List Printer-Resident Fonts; and several methods for manipulating the automatic sending of fonts within a document. \$65.00

*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866*

### Pixelations' PostScript Series; Sample Disk

This contains three PostScript fonts, including one intended to aid in technical documentation for Amiga products; 20 pieces of clip art, much of it Amiga-related; and a utility to generate Zoomed text to the user's specifications. \$65.00

*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866*

### PostDriver

PostScript printer driver. Adds true PostScript printing capabilities to all programs. Works automatically with all software. Excellent, complete text and graphics support. Full black & white as well as color support. PostDriver has many options all settable with the included preferences program. Works on all Amigas. Workbench 1.3 & 2.0. No ARexx port, but ARexx can activate previously saved settings. NTSC/PAL compatible. \$49.00

*Soft Service, Inc., ElectroCity, 4th Floor, SF-20520 ABO, Finland, (011) 3582-1637-5762*

### PrintMaster Plus

Graphic printing program. Includes clip art, fonts, and more. \$39.95

*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670*

### Professional Page Templates and Design Guide

This package contains over 50 professionally-designed, pre-configured templates for Professional Page, as well as a 48-page design manual full of useful design and layout tips. Type specifications—typeface, size, style, justification, text run-around, and more—is all pre-set. Just flow in copy and print. This is extremely useful for those beginning desktop publishing, or others with limited time to devote to design details. \$59.95

*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### Pure Color

Pure Color is a collection of printer palettes designed for graphic artists or anyone with a need

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# Desktop Publishing

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for color hard copies. Each IFF screen holds 32 different colors that can be printed to give the Amiga artist a convenient color chart for quick reference. Each color is clearly labelled with the numeric setting for RGB. There are over 500 different color settings as well as numerous dot pattern settings and a Quasi-HalfBrite chart. Pure Color is a collection of IFF compatible screens that are used as a color reference guide, and works well with any type of printer. Designed by graphic artists using DeluxePaint II. \$24.95  
Graphic Design Studio, 417 Transcontinental Drive, Metairie, LA 70001, (504) 455-0341

## ● SaxonScript Professional

The world's most sophisticated PostScript Interpreter. Produces better graphic output than Adobe PostScript printers. Virtual memory and automatic sensing of 68881/68882. Compatible with ALL Preferences printers and ALL PostScript applications (Professional Page, PageStream, QuarkExpress, CorelDraw, etc.). Supports all monochrome/color PostScript operators and downloadable PostScript fonts; file conversion to IFF, EPS, AEPS, or DR2D; font conversion to Amiga Bitmap, Adobe/PC/Saxon Type 1 formats; extraction of imbedded fonts from PostScript disk files; true PostScript Screen Preview; PostScript compression, moire testing, and more. Free with Saxon Publisher V1.2. NTSC/PAL. International keyboards, foreign distribution. Requires 68000/020/030/040, 1MB min., one floppy and one hard or two floppy disk drives. AmigaDOS 1.3, 2.0 compatible. \$130.00  
Saxon Industries, P.O. Box 33005, Nepean Ontario, Canada K2C 3Y9, (613) 228-8043

## Shinko & Mitsubishi Preferences 1.3 Printers Drivers

We offer a complete line of thermal color printer drivers for the Mitsubishi and Shinko A&B size color printers. They are 100% Amiga Preferences 1.3 drivers. \$133.00  
ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722

## ◆ ◆ ◆ TUTORIAL ◆ ◆ ◆

### Buddy System for AmigaDOS

Your personal guide through the fundamentals and features of the Amiga and its operating system. Enjoy a unique, hands-on approach to learning that lets you proceed at your own pace. Features include point and click Hypertext interface, real-time, visual demonstrations with the exclusive AniMouse instructor, and speech narration and captioning. The Buddy System is a complete source of reference with help for getting started on the Amiga; Workbench and Shell techniques; AmigaDOS and ARexx online reference; Scripting, Mountlists and Startup sequences; and the Preference Editors. Requires Kickstart and Workbench v2, 1MB RAM, and two drives (hard drive recommended).  
HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756

### Buddy System for DeluxePaint III

A tutorial interface for DPaintIII that is accessed through the help key. Concise text explanations and live, audio-visual demonstrations are presented interactively while DeluxePaint III is in use. \$49.95  
HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756

## ◆ Buddy System for DeluxePaint IV

Provides updated information and the latest hypertext interface to support DeluxePaint IV. Will increase productivity by flattening the learning curve. Two-disk set provides point and click hypertext interface, real-time audiovisual demonstrations with AniMouse instructor, speech narration and captioning. Is a complete source of reference. \$49.95  
HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756

### Buddy System for Imagine 2.0

Runs interactively with Imagine to guide you through Impulse's powerful 3-D animation rendering program. Intuitive interface provides quick and random access to informative lessons. Clear, concise explanations of all Imagine features. Real time, visual demonstrations with the exclusive AniMouse instructor. Captioned speech narration synchronized with demonstrations. Requires 1.5MB RAM minimum, two drives (hard drive recommended), Kickstart 1.3 or higher. \$49.95  
HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756

### Buddy System for PageStream

A tutorial interface for PageStream, that is activated with a simple press of the helpkey. Help information is displayed directly on the PageStream screen. Hypertext files and audiovisual demonstrations are presented. Requires at least 1.5MB, two drives and PageStream 2.1. \$49.95  
HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756

### MegaDOS AmigaDOS Manual on Disk

A complete reference and tutorial guide for using AmigaDOS, both Workbench and CLI. Designed to eliminate the confusion of other DOS manuals. Full of examples with many hints and tips. \$19.95  
MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065, (011) 612-959-3692



If AC's Guide is the most comprehensive guide to the Commodore Amiga, why would anyone need another?

The Amiga is one of the fastest growing platforms available today. You need to keep up with the Amiga on a regular basis. AC's Guide, with its complete listings of products and services, is the perfect companion for the Amiga. What else could you possibly ask for?

## Amazing Computing for the Commodore Amiga

Amazing Computing will provide the Amiga user with reviews of the hottest products available for the Amiga. AC also has the best hardware and software projects, tutorials for beginners as well as advanced users, and all the latest news from the Amiga market. Amazing Computing will keep you informed and up-to-date with your favorite machine.

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## ♦ ♦ ♦ MUSIC GENERAL ♦ ♦ ♦

### ● A-Sound 2.0

A-Sound 2.0 is a powerful, low-cost monophonic sound editor for the Amiga. It sports a friendly, intuitive interface, a full-featured set of editing tools, and over 20 special effects that can be applied to sound samples. A-Sound 2.0 also provides a total of 16 individual sound buffers (tracks) for sample editing. For sound sampling, it supports any PerfectSound or compatible digitizer, including PerfectSound 3.0. Amiga 500, 1000, 2000-based, 3000 with 512K. AmigaDOS 2.0 compatible. NTSC/PAL. \$29.95  
*Deltaware Products, 3148 Kingston Rd., Ste. 202, Box 395, Toronto, Ontario, Canada M1M 1P4, (416) 431-2047*

### ● A-Sound Elite

A-Sound Elite is a stereo audio sample editor with powerful capabilities. Among its notable features are sequenced loops, record-to-disk, ARexx support, precision editing, 16-bit sample support, an Undo command, and multi-octave/multi-track sonix and IFF instrument saving. AmigaDOS 2.0 compatible. NTSC/PAL. \$129.95  
*Deltaware Products, 3148 Kingston Rd., Ste. 202, Box 395, Toronto, Ontario, Canada M1M 1P4, (416) 431-2047*

### Aegis Sonix

Combine instruments, sampled sounds, and digitized AudioMaster files. On-screen musical editing lets you see each note as it's entered on the staff. Has built-in MIDI controller. Supports eight MIDI voices with up to 32 channels and 16 MIDI patches for each channel, or four Amiga voices and four MIDI voices. Saves files in IFF or RFF formats. Use pre-programmed instruments or create your own using the Sonix synthesizer. \$79.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### ♦ AudioLab

The new generation in audio manipulation software for the Amiga. Now work with true 16-bit music samples. Has built-in sampling interface, MIDI in and out, true harmonic graphic equalizer, envelope generator, full stereo mixing, waveform generator, and Fourier analysis for analyzing your mixes. Allows up to 16 editable samples on the screen at once; samples can be edited individually or simultaneously. Works with most current digitizing and MIDI systems. Will also support newer audio boards as they appear on the market. \$69.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

### Bars&Pipes

Unique Pipeline concept allows the user to direct the flow of musical information on a track-by-track basis either prior to or after recording takes place. Includes the Toolbox with a keyboard splitter, event filter, chord substitute, inverter, and harmonizer to name a few. Create a Tool allows the user to construct customized

Macrotools. There is no limit to the number of tracks. Sequencer features include global cut, copy, and paste; autolocate registers; punch in and out; looped mode recording; global display of music on all tracks; A-B-A global song construction and editing; high-resolution timing (192 clicks per quarter note); tempo maps; sync to external MIDI or time code; audible metronome; and rhythm, chord, key, multiple time signature, and lyric output. The Editor is either a piano roll display or bars on a staff. Lyrics can be typed over the music. Simple, intelligent, object-oriented user interface. MIDI File Format compatible. The upgrade fee is \$99.00. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$199.00  
*Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*  
**Please see display ad inside front cover.**

### ● Bars&Pipes MusicWare Collection

The Collection features over 100 music files in Bars&Pipes and MIDI file formats. This diverse collection of material includes classical, pop, rock, jazz, ethnic music, plus soundtracks, rhythm tracks and standards. Selections include Love Shack, Straight Up, Hey Jude, The Brandenburg Concerto, Beethoven's Eighth Symphony in F major, Last Waltz and more. Call for pricing. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution.  
*Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*  
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### Bars&Pipes Professional

Bars&Pipes Professional's state-of-the-art features include an unlimited number of tracks and notes; merge and overwrite recording; automated mixing; notation editing and print-out of transposed score, concert score and individual parts; automatic transposition; graphical song construction; graphical tempo mapping; event list, hybrid, notation and piano roll editing, system exclusive recording and editing; real-time non-destructive editing; algorithmic composition; rhythmic generation; loop-mode recording; timeline scoring; macrotool design and construction; open-ended architecture; expandable design; and more. The upgrade fee is \$199.00. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$379.00  
*Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

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### ♦ Bars&Pipes Professional V1.0e

Version 1.0e includes minor enhancements and bug fixes. Available to all registered users of Bars&Pipes Professional. This update also provides the elements required to use the Pro Studio and Creativity Kits to their fullest potential.  
*Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*  
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### Composer Quest

Composer Quest offers a revolutionary, interactive, and fun way to learn music history through the work of the great composers, from 1600 to the present. It can be used as a game or a learning application. The program cross-references important developments in world history, visual art, and sociological change. Composer Quest features 75 digitized 'sound samples' of original performances of some of the greatest musical works ever composed and recorded. It requires a hard disk to install. See CDTV section also. \$199.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

### Copyist Apprentice

Music printing and scoring program prints five pages of music on a dot-matrix printer. \$149.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

### Copyist DTP

Music printing and scoring program prints 100 pages of music on dot-matrix, laser, or PostScript printer. With Adobe Sonata fonts. Supports IFF and EPS files. \$399.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

### Creativity Kit

The Creativity Kit, which requires Bars&Pipes Professional, is designed to accommodate the creative needs of musicians, professional and amateur alike. It includes Accent Randomizer, All in One, AnyPhonic, Arpeggiator, Articulation Randomizer, Auto Modulate, Auto Transpose, Past Out, Random Notes, Riff-Chord, Rhythm Section, Step'n Out, Tapped Out, Tri-Arpeggiator, True Gliss, and Whoopie. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95  
*Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*  
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### Deluxe Music Construction Set

Full-featured sound editor with complete input, notation, and score printing. \$99.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### Digital Sound Studio (DSS8)

A complete low-cost sound and music solution for the semi-professional and the audio hobbyist, the system consists of a small, high-quality 8-bit stereo sound sampler that connects into the parallel port on the Amiga 500, 2000, or 3000, combined with the fastest, most powerful and easy-to-use sound and music editing program available for the Amiga. Any RCA-type audio source can be connected to the sound sampler, allowing the user to edit music, add special effects, compose a song and even create a video soundtrack. Features include cut, paste, mix, filter, echo, reverberate, fade out, fade in, play backward, speed playback, and slow playback. \$125.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### Digital Studio

A stereo sound handler for Amiga computers. A digital sampler, editor (and sequencer) is fully complete, of high fidelity (simple to use at an affordable price); yet it remains a professional tool. Digital Studio has 10 memory work zones; these buffers will allow you to work on several different pieces of music, and even better, to play one piece while working on another, or even to play samples at the same time, with different frequencies (pitch) if so desired. The zoom in Digital Studio permits you to magnify the waveform. DRAW permits you to touch up the waveform. There are menu commands for volume, and echo. Modified sounds can be saved on a floppy disk or on a hard drive in IFF format. Supplementary characteristics include: Sampling Rate to 44KHz, automatic voice activation, left, right volume control, anti-aliasing audio filter control, transform mono into stereo and vice versa, and graphic oscillator for control of audio entry level. Digital Studio is compatible with all the digitizers whose sampling rate is high enough to permit quality sound recording  
*Adept Development, P.O. Box 20, 1000 Lausanne 5, Switzerland, (011) 4121-312-1202*

### ● E-Z FM Synthesizer

Easy-to-use software program for creating instruments and sounds for you Amiga. E-Z pro-

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duces realistic sounds as well as synthetic or futuristic sounds with rich harmonic content. This program uses a minimum number of steps making it 'EaZy' to use. \$59.95  
*Other Guys, The*, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

## Harmoni

Harmoni enables musicians to use their Amiga to record and edit music sequences composed of up to 24 tracks with synthesizers, drum machines, and any other MIDI-equipped instruments. MIDI channel assignments can be set up for each track so that sequences can be fully orchestrated and played back. Harmoni provides four different types of velocity scaling, three ways to arpeggiate chords into individual note runs, plus merging to combine several tracks into a single track. Other functions include MIDI filtering, sequence looping, and SMPTE sync. 1MB recommended. Requires MIDI interface, cables, and any MIDI equipped synthesizers, drum machines, or other equipment capable of sending or receiving MIDI data. \$99.95  
*Disc Company, The*, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

## ◆ Harmonizer 1.0

Harmonizer is a chord calculator. You give the parameters (e.g., Scale, Degree, Inversion, Alteration), and Harmonizer builds the chord, displays its notes, plays it, and prints it. Harmonizer is intuitive and playable, allowing even beginners to experience the principles of harmony. Includes voice leading generator. Chord successions can be edited, saved, loaded, printed, and replayed, word processor style. Also ideal for ear training. PAL/NTSC. Foreign language version available upon request. Requires 512K. \$50.00  
*HarmonySoft*, 69 Jabotinsky Street, Givatayim, Israel 55319, (011) 972-331-5967

## Harmony

Got a song in your head? Let Harmony help you get it out. The revolutionary program is highly intuitive. Other music construction sets simply don't force your computer to do its fair share of the work. Instead, they overwhelm you with tedium and intimidate you with technical jargon. What makes Harmony different? Conceptual attitude. Harmony is extremely powerful, yet designed from an end-user's perspective. \$199.95  
*Computer Support*, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## Hyperchord 2.0

A dynamic riff sequencer, designed for professional musicians but addictive fun for amateurs. The principle behind Hyperchord is that most music is based on short themes and motifs, which are then varied in rhythm, pitch, and order to create larger musical movements. Hyperchord lets you create riffs (sequences) of up to 40 notes using such original features as Riffwaves, Weave, Smear, Rotate, Expand; then store and manipulate in real time, varying pitch, speed rhythm, volume, note order, orchestration, harmonies, and trill. For intense riffing, switch between 60 user-defined scale modes and 40 rhythms, or employ unique cyber-musical tools such as Holistic Play and VectorPlay. Three utilities included: ModeMaker, Rhythm Maker, and Holistic Window. Use with A500, A1000, A2000. 1MB recommended. From Hologramophone Research. \$159.00  
*Centaur Software, Inc.*, P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

## Internal Sounds Kit

With the Internal Sounds Kit, You no longer need MIDI to compose and create. This package, part of the Bars&Pipes Add-on Series, provides the keyboard, the instruments, and the player and includes: Spare Keys (tool), which allows you to enter notes with the mouse or Amiga Keyboard; Amigophone (tool), which lets you load an unlimited number of IFF sounds and adjust high or low fidelity, fine tuning, modulation, octave shift, pitch bend, vibrato rate and depth, emphasis, attack, release, and volume. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95

*Blue Ribbon SoundWorks Ltd.*, The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
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## KCS 3.5

KCS is a 48-track sequencer that operates in a linear- or pattern-based mode. It also allows assembly of up to 16 songs at a time. It features realtime graphic editing of notes and controllers, quick scoring and printing of standard musical notation, automated MIDI mixing, and comprehensive algorithmic and global editing. (Version 3.5 combines KCS, Level II, Tiger, and Quickscore in one product.) Requires 1-2MB memory, depending on number modules loaded. \$400.00  
*Dr. T's Music Software, Inc.*, 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454

## Keyboard Totes

Keyboard totes are designed to carry any musical keyboards measuring from 21 x 6.5 x 2 to 39 x 13 x 3.5. Made from 3/4-inch high density shock absorbing foam. Shell is made out of water-repellant 1000 Denier Nylon Cordura. Lifetime warranty. Colors: Royal, Gray, Black. \$39.90-\$97.90.  
*D.J. Distributing*, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208

## M

M for the Amiga is a real-time interactive composing and performing program. M's graphic screen controls allow you to shape or change any aspect of your composition while you're hearing it. First, you specify notes and chords, and then you determine the ways those notes will be transformed through rhythms, articulation, orchestrations, and many other variables. Finally, you perform your music, either by manipulating screen controls, playing control keys on a MIDI keyboard, or moving the mouse in a conducting grid. M features a capability for automating changes in MIDI velocities, note densities, legato-staccato articulations, and accents. Also multitasking compatible and high-quality internal sounds using IFF 8SVX sample files. \$179.00  
*Dr. T's Music Software, Inc.*, 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454

## MIDI Music Manager

Play sampled sounds from any MIDI track. Listen to one track while recording another. Eight real-time tracks. Adjustable track length. Works with standard IFF files. \$39.95  
*Rio Computers*, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

## ● MIDI Quest Universal Editor Librarian

Editors for 90+ instruments, Librarian/Bank Editor for 130+ instruments. MIDI Quest Jr. Universal Librarian/Bank Editor for 130+ instruments also available for \$99. NTSC/PAL, AmigaDOS 2.0 compatible. \$250.00  
*Sound Quest, Inc*, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8, (604) 874-9499

## ● MIDI Sample Wrench V2.0

Complete visual editor system for 16-bit CD quality sounds. Quickly perform subtle or dramatic sound variations. Full cut-and-paste editing with extensive processing tools such as EQ, compression, enveloping, sampling rate conversion, sample mixing, clipboard, and much more. Multiple editors with virtually infinite zoom, scroll, and pan. Preview sounds using Amiga internal voices. Uploads and downloads to your favorite MIDI sampler including Prophet 2000, TX16W, EPS, E-Mu E-MAX, E3, Roland S-770, Korg DSS-1, Akai S612, S700, S900, S1000, Casio FZ-1, and others. Requires MIDI interface and 512K, with 1MB or more recommended. AmigaDOS 2.0 and AReXX compatible. \$299.00  
*disidents*, 10325 Woods Road, Utica, NY 13502, (315) 797-0343

## ● MidiVU Rev. 3.0

Single track desktop recorder records in real time from any MIDI instrument. Portable, compact, multitasking; uses just three percent of disk. Pops up fast, hides easily. Saves tracks to disk, and includes powerful file utility. MIDI data monitor for troubleshooting. Help screens show MIDI 1.0 message definitions. Includes message filtering and loopable playback. Records Sys-Ex MIDI data and can be used as a generic Patch Librarian. NTSC. Requires 512K, one floppy. AmigaDOS 2.0 compatible. \$29.00  
*Diemer Development*, 12814 Landale St., Studio City, CA 91604, (818) 762-0804

## Multi-Media Kit

With the Multi-Media Kit, you can co-ordinate your music with other Amiga applications, including Elan Performer, DeluxeVideo III, CanDo, AmigaVision, DeluxeMusic Construction Set, Sonix, and Digi-Paint 3. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*Blue Ribbon SoundWorks Ltd.*, The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
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## Music Mouse

Interactive compositional program that turns your computer into a musical instrument. Fully MIDI compatible, yet no MIDI is required. \$79.00  
*Dr. T's Music Software, Inc.*, 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454

## Music-X 1.1

The original Music-X has been updated to Music-X 1.1. Along with some fixes we have also enclosed a control mapper, velocity sculpting, and multiple serial support. Upgrades available to registered users. Music-X 1.1 provides the most sophisticated tools for manipulation of the MIDI environment. \$299.95  
*Microllusions*, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

## Music-X Jr.

This is a scaled-down version of Music-X. Music-X Jr. contains a sequencer, bar editor and filter page, and can use Amiga samples. \$149.95  
*Microllusions*, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

## MusicBox A

MusicBox A, part of the Bars&Pipes Add-on Series, opens new doors in computer composition. From the musical to the technical, MusicBox A features some of the following: Accompany B+ (Tool), which creates sophisticated accompaniments using chords and rhythms; Amazing Grace Notes (Tool), which performs grace notes and turns; ARexx In (Tool), which works in tandem with Controlled Bypass Send and Time Bypass Send. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*Blue Ribbon SoundWorks Ltd.*, The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
**Please see display ad inside front cover.**

## MusicBox B

MusicBox B, a member of the Bars&Pipes Add-on Series, contains the following Tools and Accessories: Alternator (Tool), which sends every other note to a different track; Arpeggi-8 (Tool), which allows you to create arpeggios, drum patterns, and strumming effects; 4 CheckPoint MIDI and Ins and 4 CheckPoint MIDI Outs (Tools), which in conjunction with The Serial Solution provides 80 separate MIDI channels for Bars&Pipes. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*Blue Ribbon SoundWorks Ltd.*, The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
**Please see display ad inside front cover.**

## PIXOUND™

Pixound is a radical new concept in musical software, transforming visual art into music. Unlike other programs which provide the computer equivalent of a light show, Pixound allows you to use the musical fingerprint of any image to create, play, and record complex new music. The novice musician or computer user can move from Bach to Rock by simply moving the mouse. The virtuoso, too will thrill at the Pixound adventure of playing a new and unique instrument with every new screen. From Hologramophone Research. \$99.00  
*Centaur Software, Inc.*, P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

## PatchMeister

A generic patch-librarian, designed to work with or without Bars&Pipes Professional. Includes over 20 specific drives plus the ability to easily adapt to any synthesizer. Workbench 1.3 and 2.0 compat-

ible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$99.00  
**Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514 Please see display ad inside front cover.**

## Personal Music Librarian

Comprehensive music collection management system. Easy, flexible data retrieval; search by any item or combination thereof. User-definable fields, categories, subcategories, and media. Handles album and selection info. Serious collectors may track cost, value, and condition. Powerful, menu-driven report writer. Design your own printouts and labels or use those included with PML. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$75.00  
**Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887**

## Pro Studio Kit

The Pro Studio Kit, which requires Bars&Pipes Professional, is designed to accommodate the needs of professional Amiga musicians. It includes Articulation Modifier, DeFlam, DeGlitch, Event Smoother, Feels Good, Jump Start, Note Converter, Note Filter, Note Mapper, Pitch Bender, Remote Patch, ReTranscriber, Strrrreeetttch, SuperSetUp, and Velocity Controller. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95  
**Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514 Please see display ad inside front cover.**

## Quartet

A power of a synthesizer and four-track sequencer. With Quartet, your Amiga becomes a four-voice polyphonic synthesizer and recorder. Allows playback of up to four instruments simultaneously. Quartet makes four channel composition easy, allowing easy production of commercial quality music. \$59.95  
**MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946**

## Quest Editor/Librarian

Quest Editor/Librarian to develop and store sounds for Emu, Ensoniq, Kawai, Korg, Roland, and Yamaha instruments. Major supported instruments: Proteus 1/2/XR, VFX, SQ-1, M1, T1/2/3, D-series, R-5/8/8m, U-20/220, and SY22/55/77/TG33/55/77. AmigaDOS 2.0 compatible; NTSC/PAL available. \$99.00  
**Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8, (604) 874-9499**

## Quest I: Texture

Original Modular Recording, record, edit, and assemble your music in convenient blocks called patterns. Ninety-six patterns of arbitrary length up to 545 beats, 2304 independent sequences, 24 tracks X 96 patterns, 99 links for songs. Create music without having to stop. Full real-time interaction; all 16 MIDI channels may be controlled simultaneously; comprehensive screen window display. Simple Mouse/menu/keystroke interface, and more. NTSC/PAL. AmigaDOS 2.0 compatible. \$150.00  
**Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8, (604) 874-9499**

## Quest II: Texture

Professional sequencer for the Amiga computer. Features include modular recording, 24 tracks, edit display, MIDI output remapping, swing function, enhanced Amiga interface, linearize function, and clipboard. Includes all the features of Quest I plus 96 patterns of arbitrary length up to 2728 beats, multiple MIDI Channels per track, Quantize-3 new methods of affecting note duration, panic button, and much more. NTSC/PAL; AmigaDOS 2.0 compatible. \$225.00  
**Sound Quest, Inc, 131 West 13th Avenue, Ste. 2, Vancouver, British Columbia, Canada V5Y 1V8, (604) 874-9499**

## Sequel

Easy-to-use 32-track music production for the home and studio. Records from any MIDI synth, digital piano, etc., and plays back to MIDI/Amiga sounds. Supports standard MIDI and IFF files, provides for full editing, including flexible looping, quantize, auto-correct, and cut/paste, and includes fast orchestration controls. Syncs to film, video, or audio tape using MIDI time code. Supports embedded tempo changes and all SMPTE rates. Single SMPTE-frame resolution is achieved by using one-hundredth beat per minute accuracy. NTSC. Requires 512K, one floppy. AmigaDOS 1.2-2.0 compatible. Available June 1992.  
**Diemer Development, 12814 Landale St., Studio City, CA 91604, (818) 762-0804**

## SoundScape Pro MIDI Studio

Recording studio environment provides complete facilities for routing, recording, editing, transposition, and playback of any musical performance from both the internal sampled sounds of the Amiga, and/or any external MIDI equipment. Features infinite note and track MIDI sequencer, MIDI Patch Panel links program modules, supports Song Position Pointer to sync with other MIDI clocking systems, MIDI sequence and song editing, and step entry for easy note-at-a-time recording/editing. Echo and Trigger modes provides special sequencing effects. Also integrates with the AmiGen genlock for creating music videos. \$179.95  
**Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117**

## Stereo Master

Features include built-in real time special effects, programmable special effects, fast fourier transform 3-D display, built-in twin stereo spectrum analyzer, built-in sample sequencer for up to 18 samples, real time and step time entry of score on sequencer, twin oscilloscopes, full-featured editor, new style stereo cartridge, PAL/NTSC full screen display, real time record/play marker, and fully multi-tasking. SFX include echo, reverb, flange, chorus, pitch up/down, stereo bounce and more. Includes cable and multiple filters. NTSC and PAL. \$79.95. \$79.95  
**MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946**

## SuperJAM!

Rely on SuperJAM! to provide fresh ideas, exciting rhythms, and mesmerizing musical feats at the touch of a button. Create accompaniments, soundtracks, styles, and grooves quickly and easily. Unlike ordinary music programs, SuperJAM! requires little musical finesse in order to accomplish exciting results. Multimedia artists can use SuperJAM! to create and synchronize musical soundtracks with other Amiga packages. Bars&Pipes Professional owners can use it to sketch their musical ideas and try out various musical styles. SuperJAM! can also be run seamlessly within Bars&Pipes Pro. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$149.00  
**Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514 Please see display ad inside front cover.**

## SuperJAM! Extras Disks

Three additional Extras disks for SuperJAM! interactive composition program: The Pop/Rock Disk, the Classical Disk, and the Cutting Edge Disk. Each disk includes a collection of new musical styles, demos, and sample chord progressions. Each sells individually for \$24.95. \$24.95  
**Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514 Please see display ad inside front cover.**

## Synthia II

Synthia II is a complete Sound Synthesis and Processing Studio (Sound Synthesis, Effects Processor, Visual Editor, and File Interface) for your Amiga. \$124.95  
**Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620**

## Synthia Professional

A 16-bit synthesizer effects processor, visual editor, and sampler/file interface. Create single and

multi-sample instruments for use with most music programs or your favorite MIDI Keyboard Sampler. \$395.00  
**Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620**

## The Hyperchord Music Exploration Kit

The kit consists of a disk of four interrelated programs, centering around Hyperchord. Other programs include Mode Maker, Rhythm Maker, and Holistic Window. With Hyperchord you can create, store, and manipulate RIFFs in real-time. In design mode create anything from simple scale runs to complex RIFF waves. Play mode allows you to improvise and loop any of the RIFFs. Customize modes in Mode Maker. Spectral colors are used to show the tonal relationships of the notes. The unique 3-D interface and the graphics alone make this a fascinating and fun program to use. From Hologramophone Research. \$129.00  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226**

## Tiger Cub

A 12-track sequencer with real-time graphic editing and instant standard musical notation for display and printout. Fully MIDI compatible, yet no MIDI is required. For the beginner as well as the semi-professional. \$139.00  
**Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454**

## Tutorial Kit

The Tutorial Kit, which requires Bars&Pipes Professional, is designed to instruct and inform users of Bars&Pipes Professional. The Kit contains several tutorial lessons which explain Bars&Pipes Professional's exciting and innovative features in a step by step manner. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95  
**Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514 Please see display ad inside front cover.**

## VocoderFX™

An audio sample signal effects processor and explorer. Take sound files of two sounds and combine them in unique ways to discover new timbres and tones. Great alien sounds. Explore effects. NTSC/PAL. \$29.95  
**Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448**

## Zero-G Datafiles

Zero-G data disks offer a selection of high-quality samples for use in Amiga music and sequencing programs which accept IFF samples. Breakbeats Volume 1 provides 72 different samples representing many of today's popular dance styles. Recorded at nearly 17,000 cycles per second, each sample has been carefully looped to provide a continuous backing beat for your musical creations. Breakbeats can also be programmed to re-trigger at the start of a bar. 1MB recommended. \$34.95 (\$39.95 express airmail).  
**ACE-PYX Computer Services, Distributed by Time + Space, P.O. Box 306, Herts HP4 3EP, England, 011-44-442-870-681**

## ❖ ❖ EDITOR/LIBRARIAN ❖ ❖

## 4-OP Deluxe

Graphic editor librarian for the TX81Z, FB01, DX100, DX21, and DX27. \$59.00  
**Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454**

## Audition 4

An advanced 8-bit sample editor continues where AudioMaster III left off. 100% Assembler. Realtime zoom. Incredibly fast scroll. Freehand edit. Sequenced loops, realtime effects include echoes, hi-pass filter, low-pass filter, band-pass filter, stop-band filter, mix, flange, fade, VU meter, and oscilloscope. Editing functions include cut, copy, paste, delete, keep, invert, filter, echo, mix, fade, tune, and many more. \$99.95  
**SumRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962**

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# Music

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## © C-ZAR Rev. 2.4

Editor librarian for Casio CZ-101, CZ-1000, and CZ-1 synthesizers. Includes 200 pro sounds; easy start up; automatic loading, saving, and cataloging of disk sounds. Cut and paste, duplicate, rename and delete sounds, banks, and disk files. Overlays large, color-coded, and dragable sound envelopes on a logarithmic time display. Continuous display and sound updating, flexible undo feature. Mouse operation features intuitive panel displays. A 200-note sequencer; 80-page indexed manual. Much more. NTSC. Requires 512K, one floppy. AmigaDOS 2.0 compatible. \$99.00  
*Diemer Development, 12814 Landale St., Studio City, CA 91604, (818) 762-0804*

## CZ Rider

Graphic editor librarian for the Casio CZ series of instruments. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Caged Artist D110 Editor

Multitasking graphic editor librarian for the Roland D-110. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## DWEL

DWEL is an Editor and Librarian for the Korg DW-8000 Synthesizer that uses the advanced computing environment of the Amiga Computer, and uses a MIDI interface to connect the two. DWEL has two different screens, one the librarian, the other is a patch editor. DWEL's librarian is an advanced system for storing, retrieving, arranging, and sending patch (instrument) sounds through MIDI. The Editing features of DWEL are simple and logical, but also very powerful. It is no longer necessary to remember parameter numbers and settings to alter or create sounds. DWEL's editor graphically illustrates all characteristics of the patch's sound. \$79.00  
*Barry Weber, P.O. Box 360, Albany, MN 56307, (612) 845-4755*

## DX Heaven

Multitasking graphic editor librarian for the Yamaha DX-7, TX-7. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## ESQ-1 Caged Artist

Multitasking graphic editor librarian for the Ensoniq ESQ-1. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## ESQapade

Multitasking graphic editor librarian for ESQ-1 and SQ-80. From Ensonic. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Kawai K-5

Multitasking graphic editor librarian for Kawai K-5. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Kawai-1 Caged Artist

Multitasking graphic editor librarian for the Kawai K-1 series. Modifies sounds that the instruments make, and saves them for you. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Oberheim Matrix 6/1000 Caged Artist

Multitasking graphic editor librarian for the Oberheim Matrix 6/1000. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## PCM-70 Caged Artist

Multitasking graphic editor librarian for the Lexicon PCM-70. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Roland D-50 Caged Artist

Multitasking graphic editor librarian for the Roland D-50. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Roland MT-32 Caged Artist

Multitasking graphic editor librarian for the Roland MT-32. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## X-OR

The Universal System Exclusive Orchestrator for Commodore Amiga Computers. Full-featured Generic Editor Librarian. X-OR can be configured to match a user's complete setup and automate all MIDI data communication. By taking a 'snap shot' of a user setup, X-OR treats all MIDI devices as one instrument, offering superior value and unparalleled control over multi-instrument setups. Other features include support for over 90 MIDI instruments, graphic editing, database sound search, automatic MIDI patch bay switching, patch randomization, blending features, and much more. \$325.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## ◆ ◆ ◆ PERCUSSION ◆ ◆ ◆

### Drum Studio

Drum Studio turns your Amiga into a powerful dedicated drum machine! Each sound has 16 different volume and pitch controls providing over 5000 different drum sounds in memory. Features include up to 100 patterns in memory; real time indicator to allow easy volume and pitch adjustment; adjustable BPM (beats per minute) from 30 to 240; keyboard template for quick reference; plus many more features. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## ◆ ◆ ◆ PROGRAMMING ◆ ◆ ◆

### © Aegis Visionary

Don't just wander around in graphic or text adventures, build them! Visionary makes it simple. Over 10,000 rooms, objects, and subroutines. More than four billion characters of text can go into your adventure! Supports IFF images and ANIM files. Includes graphical VIE editor for point-and-click ease of use. Workbench 1.3 and 2.0 compatible. \$99.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### Back Songbook

Data disks for sequencer. Songbook contains two-part inventions, three-part sinfonia, and four-part fugues. \$29.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## ◆ ◆ ◆ SONGS ◆ ◆ ◆

### Aegis SoundTrax I and II

Play along with or study this library of Sonix compositions. Includes tips on how to create your own Sonix scores! Use special pre-programmed instruments to enhance your own compositions. Volume I includes Top 40 and Blues, while Volume II includes Fifties-style compositions. \$19.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

## ◆ ◆ ◆ SOUNDS AND INSTRUMENTS ◆ ◆ ◆

### Amiga Clips, Volume 1: Sound Effects

Amiga Clips is a software tool created for use with AmigaVision. The two-disk set includes over 50 different digitized sound files which users can add to their multimedia AmigaVision presentations. The sounds can also be used to give audio feedback to key presses or mouse

clicks in interactive AmigaVision applications. Amiga Clips is also compatible with any Amiga software program which supports 8SVX format sounds. Categories of sound effects on the disks include animals, auto, bells and whistles, clocks, drink, human, phone, techno, voice, and weather. \$29.95

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Background Rhythm Patterns 2.0

Background Rhythm Patterns is a collection of over 157 popular sequenced background rhythm patterns for virtually all styles of music. These patterns were developed exclusively for MIDI sequencer owners who need a variety of professionally arranged background rhythm accompaniments to use for creating their original songs. Each pattern includes bass, piano, drums, and percussion. All styles of music are included, as is an extensive user's manual. A multitimbral synthesizer or sound module and a sequencer are necessary. \$45.95

*New Sound Music, P.O. Box 37363, Oak Park, MI 48237, (313) 355-3643*

## FAT SOUNDS 1,2

Here are three disks filled with 8SVX new and original Amiga digitized sampled sounds. They have been tested with a dozen Amiga music and hypermedia programs, and are the first of planned library of new samples. The sounds can be used either as-is to help Amiga musicians create their music, or each sample can be edited further in an Amiga sound editor to produce even more variable results. These are not repeats of previous Amiga sample releases. \$59.95

*EyeFullTower Comm. / EarFullTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## Jazz Through MIDI 2.0

Jazz Through MIDI is a new jazz improvisation course designed to teach jazz using a MIDI set up. It features 60 jazz patterns and solos for beginning, intermediate, and advanced levels. Many different styles of jazz are featured. A rhythm section accompaniment consisting of bass, piano, and drums is provided for each solo. Simply select a sequence with a riff that you want to learn, and then begin to practice the solo line along with the provided solo and accompaniment, using a tempo that is comfortable for you. Requires a multitimbral synthesizer or sound module. \$49.95  
*New Sound Music, P.O. Box 37363, Oak Park, MI 48237, (313) 355-3643*

## Soundtracks for MIDI

A collection of 90 multitrack sequences that can be used for Multimedia Presentations, Film, TV, Video, and Radio. Soundtracks are fully orchestrated and offers music for any style or mood. Everything from string quartets to electronic and contemporary dramatic tracks are provided. All of the compositions are original works, and the user is granted full rights and permission to use any of the songs presented in any way he wishes. A manual is included along with chord charts for each sequence. Supplied as Type 1 standard MIDI files. Specify Amiga format. Requires a MIDI keyboard or module capable of playing back on at least 6 MIDI channels. \$49.95  
*New Sound Music, P.O. Box 37363, Oak Park, MI 48237, (313) 355-3643*

## ◆ ◆ ◆ TUTORIAL ◆ ◆ ◆

### Aural Intervals

Recognizing the distance between two pitches is the first technique taught in ear training. Correctly hearing and identifying intervals takes practice and a trained ear. It is also a skill that is awkward to practice by yourself. Now with the help of Aural Intervals and your Amiga computer, ear training is as simple as a video game. Aural Intervals randomly selects an interval and then randomly selects the lowest pitch to begin the interval on. The Amiga plays the sound for you. If you don't get it on the first try, press the play again button and the interval will be repeated. If you're not sure what it is, ask Aural Intervals to hint at the darkness or brightness of the intervals quality. If still unsure, inquire whether the interval is greater or less than a Perfect 5th. As a last resort, select the Melody Hint button and Aural Intervals will play a short melody that is identi-



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fied with the interval. Aural Intervals is a positive and reassuring method to master the art of interval ear training. \$19.00  
Barry Weber, P.O. Box 360, Albany, MN 56307, (612) 845-4755

#### Guitar Chords

Guitar Chords is a program for the Amiga that will tutor a beginning guitar student in learning and correctly playing chords for the guitar, by illustrating the correct fingering on the Amiga's screen. Finger numbers and color schemed dots clearly show fingerings. Guitar Chords is designed for the student to have the guitar in hand while running the program. The Amiga sounds the notes of the chord so that the student hears instantly if he has fingered the chord correctly. Also, tuning is a breeze as Guitar Chords plays the correct pitch for each string. All Major, Minor, Major7, and Minor7 chords are included in the program. \$39.00  
Barry Weber, P.O. Box 360, Albany, MN 56307, (612) 845-4755

#### Miracle Piano Teaching System

The Miracle utilizes a smart and interactive network with Artificial Intelligence software to teach children and adults how to play the piano. The program begins by using an assortment of entertaining video games, progressive lessons, and various musical pieces to teach the fundamentals of piano technique. Based on the player's individual needs and pace, the Miracle will customize piano lessons. The system will analyze the player's performance and modify the next lesson to concentrate on the player's weaknesses. The Miracle System includes the appropriate software cartridge or floppy disk with the various lessons and games, a corresponding Miracle Cable to connect the keyboard and the video monitor unit to allow interface, and a state-of-the-art electronic piano keyboard. \$479.95  
Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

#### Performance

Database system for performing musicians that tracks MIDI information (synth presets, patch banks, sequences, etc.) for songs in repertoire to automate MIDI setup. Includes a MIDI-file sequence player. Contains set-building tools to organize material for live performances. Database is entirely user configurable, is mouse driven, supports standard MIDI files, and runs in both interlace and non-interlace modes. The song selection features a large font easily readable from a distance of up to 30 feet from the screen. \$165.00  
Pregnant Badger Music, 10010 Biscanewoods Way, Sacramento, CA 95827, (916) 361-8217

#### Real-Time Sound Processor

The Real-Time Sound Processor features Echo, Reverberation, AM and FM Modulation, Vibrato, Overdrive, Stereo Function, 512K sufficient, and MIDI channel selection for Amiga 500/1000/2000. Your creativity combines with the Amiga's amazing musical capability to produce unlimited original sound effects. Choose from PRESET parameters to recreate well-known sound effects, or

choose from the fully flexible parameters to create your own new sound effects. All sound processing occurs instantaneously—the samples do not have to be saved previously. You need no musical training to use this software.  
Adept Development, P.O. Box 20, 1000 Lausanne 5, Switzerland, (011) 4121-312-1202

#### Sound Lab Amiga

A complete visual editing program that features extensive visual waveform and voice parameter editing, powerful audio processing, graphic looping aids, and a unique wavesample librarian for the Ensoniq Mirage Digital Sampling Keyboard. A complete MASOS implementation provides fast editing and processing functions without lengthy wadedata transfers. In addition, unique features like interpolation and compression improve sample quality. \$295.00  
Blank Software, P.O. Box 6561, San Francisco, CA 94101

#### Utilities #1

Eight additional modules for SoundScape: Mouse Bender, System X, Frame Counter, Fuel Gauge, Clock Divider, and more. \$49.95  
Blank Software, P.O. Box 6561, San Francisco, CA 94101

### ♦ ♦ ♦ UTILITIES ♦ ♦ ♦

#### Aegis AudioMaster IV

Sample and play sounds at a true 56,000 samples per second in stereo. AudioMaster will drive every parallel-port digitizer now available for the Amiga—often with higher sampling rates than the digitizer's own software. But its true strength is the ability it gives you to edit, sequence, and store in compressed format the sampled sound files you create by digitizing real-world sounds. New features include two to four times oversampling, including CD Player and PlaySound programs; Pitch vs. Time Stretch and Compress; digital filtering; Real-time Pitch Bend, Zoom, Telephoto, and Scroll; improved File Requester, Audio Disk Jockey for fingertip control of up to 180 sound files; and much more. \$99.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

#### SMUS2T

This CLI-based utility converts SMUS music score files to Dr.T's KCS/MRS format, suitable for loading into Dr.T's KCS or MCS sequences. \$9.95  
S & B Software, 6503 SW 46th Pl., Portland, OR 97221, (503) 244-5029

### ♦ ♦ ♦ MISCELLANEOUS ♦ ♦ ♦

#### DNA Music

Plays music based on DNA sequences. Features menu choice of DNA, speed, tone, and channel. Two octaves in the key of C. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

#### Fractal Music

Music based on fractal mathematics. Two octaves in the key of C, graphics of filled polygons, and 640 x 240 resolution. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

#### MIDI Interface

Standard MIDI interface with extra connectivity. Comes with one input, two outputs, and two through-connections. \$59.95  
Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

#### Pattern Splatter

Random-sequence generator that deals with arpeggiation patterns, randomizes various MIDI parameters within user-controlled ranges. \$49.95  
Mimetics Corporation, P.O. Box 1560, Cupertino, CA 95015, (408) 741-0117

#### Protein Music

Plays music based on protein amino acid sequences. Menu choice of protein, speed, tone, and channel. With two octaves. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

#### RXMix

A 16-channel programmable mixer for Yamaha RXII drum machines. \$79.95  
Pregnant Badger Music, 10010 Biscanewoods Way, Sacramento, CA 95827, (916) 361-8217

#### Rules for Tools

Now you can create your own tools from scratch using this comprehensive guide to the ins and outs of Bars&Pipes. Rules for Tools, part of the Bars&Pipes Add-on series, includes over 100 pages of documentation plus plenty of source code examples. To order your copy of Rules for Tools, send a check or money order. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$49.00  
Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
**Please see display ad inside front cover.**

#### Waveform Ease

Use the mouse to draw any curve to define waveform tables that the Amiga uses to make sounds. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

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## ♦ ♦ ♦ GENERAL ♦ ♦ ♦

### ♦ A Long Hard Day on the Ranch

Desperate bandits, runaway cattle, and broken toes hold no terrors for our imaginative hero. This tall tale shows how a young boy imagines his days at his uncle's ranch—while accompanying illustrations show the more mundane reality. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ♦ AV Notes

Each is a summary of a topic from science, literature, or history. Examples: Krebs Cycle, Hamlet, Civil War. \$25 per topic. \$25.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### ♦♦ Amy's Fun-2-3 Adventure

For ages 2-6. In Amy's Fun-2-3 Adventure, Amy introduces children to numbers and counting by taking them through a variety of entertaining activities. Visit Amy's Doghouse, Marty the Match Machine, King Cookie and his castle, or play music, all by simple mouse input. Beautiful overscan graphics, smooth animation, and digitized speech and sound effects make the program a joy for children to use. Requires 1MB, mouse. AmigaDOS 2.0 compatible. \$49.95  
*Devasoft, P.O. Box 41250, San Jose, CA 95160, (408) 927-9645*

### ♦♦ Amy's Play-B-C Time

For ages 2-6. Lots of fun and playtime await as Amy takes your child on a delightful alphabet-learning journey. As always in Amy's programs, great graphics and animation enhance learning and play action, while simple mouse input makes it easy to control. Learning your ABCs is easy and fun when you have a cute puppy like Amy to help you out! Requires 1MB, mouse. AmigaDOS 2.0 compatible. Available Fall 1992. \$49.95  
*Devasoft, P.O. Box 41250, San Jose, CA 95160, (408) 927-9645*

### ♦♦ Cinderella: International Version

This international version of Cinderella has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ♦ Cinderella—The Original Fairy Tale

A poor but beautiful young girl wins the heart of a prince—with a little help from her fairy Godmother. The story of how kind-hearted Cinderella gets the better of her selfish step-sisters is a classic that generations of adults and children have enjoyed. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ♦♦ Computerized Learning Application Software System, Volume 1 (C.L.A.S.S. 1)

A learning system that entices the minds of all ages. An enriching system that gives everyone the opportunity to learn and sharpen their skills. Volume 1 offers the user the ability to enhance spelling, math, reading, memory, and strategy skills. Will lure the preschooler, kindergartener, etc., to develop an interest in the world of learning by use of computers. Requires AREXX, 512K RAM (two floppy drives or hard drive recommended). AmigaDOS 1.3 or 2.0 compatible. 'Learn and have fun with C.L.A.S.S. 1.' \$39.00  
*Software Plus, 5254 Merrick Road, Massapequa, NY 11758, (516) 795-1400*

### Crossword Construction Set

An excellent vocabulary builder. Create and edit custom word lists, or use those that come with the game. Generate crossword puzzles and word search puzzles. Games can be played on the computer, or printed to the printer for use as an educational tool, or just plain fun. Also print answer keys for use in classroom settings. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

### Designasaurus

Three programs in one! Walk-A-Dinosaur, where the user walks either a Brontosaurus, Stegosaurus, or Tyrannasaurus Rex through three ages. Build-A-Dinosaur by combining a head, neck, tail, and body from several different real dinosaurs, and Print-A-Dinosaur, where twelve dinosaurs can be printed out in their natural habitat along with a description. Using DeluxePaint by Electronic Arts, color your favorite Dinosaur and print the creature out. \$49.95  
*Compton's New Media, 345 Fourth Street, San Francisco, CA 94107, (800) 572-2272*

### Discovery 2.0

Game disk with math or spelling. Save the Starship Discovery by guiding crew members through the starship and answering questions. Avoid the aliens, collect fuel crystals, and save the ship. Easy playability and compelling graphics. Game disk in math or spelling; expansion disks in Trivia 1 and 2, Science, History, Geography, Spelling 1 and 2, Math 1 and 2, Math Concepts, Language, and Social Studies. Now includes hard drive installation, five spaceships to explore, and questions that use pictures or sound. \$39.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

### ♦ Distant Suns 3.0

Version III of the award winning Galileo planetarium simulation. Distant Suns won the '88 CES (Computer Electronics Show) award for the most innovative educational product and Amazing Computing's best educational product for '89. Distant Suns turns your Amiga into a planetarium.

The sky can be viewed from any place on Earth or from the North Pole lying on your back looking upward in planetarium mode. The program accurately replays 10,000 years of what the sky looked like and it projects 10,000 years into the future. It is a very beautiful and realistic color simulation of the sky created by R. Mike Smithwick, a NASA astronomer, and published by Virtual Reality Laboratories. Galileo (now Distant Suns) is fun, in addition to being powerful and visually stunning. Requires 512K. 2.0 compatible. Requires 512K NTSC; 1MB PAL. Upgrade to Distant Suns 4.0 for \$30.00 plus a registration card. \$49.95

*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### ♦ Distant Suns 4.1

Distant Suns 4.1 brings desktop astronomy and space travel to any 1MB Amiga with at least two floppy disk drives. Version 4.1 adds many new features to an already great 3.0 version: AREXX support, multiple resolution support (interlaced, overscan), animation capability, full screen (not overscan) astronomical photo display keyed to selectable objects, and the ability for the user to put his or her eyepoint up to 400 astronomical units from the sun on any plane. There are more basic stars and a disk of medium resolution images included. Over 2,000 deep sky objects are in the basic data sets. Eclipses are more accurate and pretty to view, and the program can be extended up to 255,000 with VRLI supplied databases. The user can enter his or her own data virtually without limit. Comets and asteroids are included and can be added. Improved fonts make the program more readable and a more subtle color palette is used to give 4.1 a more professional look. Four different program disks may be selected to obtain the one best suited to the user's machine: AmigaDOS 1.3 or 2.0 and either FFP (software floating point) or FPU (hardware floating point) may be selected. NTSC or PAL version available. Upgrade available direct from VRLI. \$99.95  
*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### Distant Suns-Space Visions

Space Visions is a series of IFF images selected by Mike Smithwick, author of Distant Suns. Space Visions may be viewed with Distant Suns 4.0 or any program which allows viewing of IFF files—any paint program, for instance. Space Visions cannot be viewed with the Distant Suns 3.0. Available direct from VRLI only. These are full screen (not overscan) hi-res images. It contains 246 images and is 25 disks plus an installation disk. Includes Mars from orbit and surface (Viking mission photos); Earth from orbit (various Gemini, Apollo, and Space Shuttle missions); Mercury flyby (Mariner photos); Skylab (America's 1st space station); Space Shuttle in operation; Voyager (Photos include Jupiter, Saturn, Uranus and Neptune); Deep Sky objects; Gemini two-man mission; lunar photos by Lunar Orbiter and Apollo astronauts; historical shots from the Apollo mission. \$90.00  
*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### ♦ Heather Hits Her First Home Run

The bases are loaded, her friend Jeffrey is on third, and everyone is calling for a home run as she steps up to bat. All in all, it's a pretty frightening moment for Heather—but she comes through. This story tells of how children feel in life's crucial moments. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## Hyperchord 2.0

Hyperchord is a dynamic riff sequencer, designed for professional musicians but addictive fun for amateurs (teachers take note). The principle behind Hyperchord is that most music is based on short themes and motifs, which are then varied in rhythm, pitch, and order to create larger musical movements. Hyperchord lets you create riffs (sequences) of up to 40 notes using such original features as Riffwaves, Weave, Smear, Rotate, and Expand; then store and manipulate in real time, varying pitch, speed rhythm, volume, note order, orchestration, harmonies, and thrill. For intense riffing, switch between 60 user-defined scale modes and 40 rhythms, or employ unique cyber-musical tools such as Holistic Play and Vector Play. Three utilities included: Mode Maker, Rhythm Maker, and Holistic Window. From Hologramophone Research. \$159.00  
Centauro Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

## ◆ Inquisitor

Drives academic competition software and hardware to allow teammates from two teams to 'buzz' in. NTSC. Requires C-64 or Amiga in C-64 emulation. \$399.00  
Mr. Horan's Computer Lab, 12975 US 60, Middletown St. Mall, Louisville, KY 40243, (502) 244-9595

## Madrigal Automotive Construction Set, General Collection

Interactive clip art design system for use with paint programs, contains four disks of scaled IFF screens of automobiles from the U.S., Europe, and Asia. This collection contains sedans, sports cars, coupes, wagons, hatchbacks, pickup trucks, long haul trucks, and vans. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. The system is designed to give the user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of automobile design and individual specification sheets. NTSC IFF format. \$59.95  
Madrigal Designs, P.O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

## McGee

A no-words software program designed for children, ages two through five years old. Using the mouse, youngsters guide a little boy named McGee throughout his house, playing with toys and getting into mischief along the way. By clicking the mouse on graphic icons on the screen, children initiate animated sequences and digitized sound, or send McGee into another room for more adventure. \$39.95  
Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687, (800) 421-4157

## McGee at the Fun Fair

Like our other no-words software for preschoolers, Fun Fair is a program where youngsters decide what they want to do next. They can watch the clown make balloon shapes, the juggler juggle, get a popsicle from the ice cream vendor, play on playground equipment, and enjoy many other fun activities—all with wonderful, animated graphics and digitized sound. These programs encourage children to explore and reinforce their sense of discovery. \$39.95  
Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687, (800) 421-4157

## McGee visits Katie's Farm

In Katie's Farm, children accompany McGee as he visits his cousin on her farm. McGee and Katie feed the chickens, watch Aunt Thelma milk the cow, go fishing at the pond and enjoy many other fun activities. Our no-words software programs for pre-schoolers make getting acquainted with the computer an empowering and confidence-building experience. They are also very effective with ESL and autistic children. Requires 1MB of memory. \$39.95  
Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687, (800) 421-4157

## ● Moving Gives Me A Stomach Ache

Moving is not easy for anyone, but for a little boy it is especially hard. This is a warm, sensitive story that explores children's feelings about moving and shows them that it's not so bad after all. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## ◆● Moving Gives Me A Stomach Ache: International Version

This version of Moving Gives Me A Stomach Ache has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC and PAL compatible. \$49.95  
Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## ● Mud Puddle

Have you ever wondered how kids get so dirty? Meet a walking mud puddle and see how it continually ambushes one little girl until she gets the better of it. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
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Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## ● Periculum

Jeopardy-like game. Allows two players to go head-to-head, one on the mouse, and the other on keyboard or joystick. As questions are flashed on the screen, the first player to press the button is given an opportunity to answer. A manual override is provided to allow the acceptance of answers that are correct but are judged incorrect by the program. It is easy to create new game files about any subject. Sign-in with the mouse just like on TV. AmigaDOS 2.0 compatible. \$19.95  
SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810

## ● Personality

This administers a series of 70 personality questions based loosely on the Myers-Briggs assessment tool. Done with clever graphics, the user responses are analyzed and the user's personality type (i.e., ISTJ) is displayed and described briefly. Great for starting a discussion of different personality types and learning styles at the beginning of the year or course. AmigaDOS 2.0 compatible. \$19.95  
SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810

## Poco Man

A strategy game with arcade-type sounds and actions. Solve up to 50 different levels. Joystick or keyboard play. Hours of enjoyment while building analytical and problem-solving skills. A new concept in Amiga games. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

## ● Power Spell

Fully animated, five program, two-disk package featuring recognition and retention skills exerciser, sight reading enhancer for the younger set, phonic relationships, spelling session creator/editor, automatic error logging and recall feature, 106 exercise files, 69 predefined training files, 35 user files, 11,000+ word dictionary with over 600 definitions and/or word usage explanations, digitized sounds and animated narration throughout, precisely articulated speech, on-line help feature, AmigaDOS 2.0 compatible, NTSC/PAL, ages four through adult, and a satisfaction guarantee. \$49.95  
Precision Learning Systems, 104 Ryce Dr., Waldorf, MD 20601-8967, (301) 645-1061

## ● Ready Robot Club Monthly Disk

For families with kids 5 to 12. Any Amiga 1.2, 1.3, 2.0. NTSC and PAL. 1.4MB of educational fun every month. No P.D. or Shareware. All original programs, graphics, sound. Three easy mouse-operated menus. Global speech toggle. Stories, Field trips, Science experiments, Music, Projects, Reviews, Parents' corner, Space update, Vocabulary and more. Games/tests: Memory concentration, Picture puzzle, Connect numbers, Maze, Find the words, Slider puzzle, jokes, and riddles. Access to software for specific age groups. USA: \$36/6mo., \$65/12mos. Canada: \$40/6mos., \$73/12mos. Others: \$44/6mos., \$81/12mos. Single sample disk \$10.00.  
Signs Etc. by D. Knox, P.O. Box 628, Carmichael, CA 95609, (800) 634-2952 orders  
**Please see display at page 25.**

## Rover

Rover is a software product that allows an Amiga computer to organize a school's satellite or cable-fed audio visual system. It schedules VCR's and automates the school's satellite and cable equipment with built-in instruction manuals. The system can be set up to communicate with almost any type of IR controlled equipment. \$99.00  
Heifner Communications, Inc., 4451 I-70 Dr. N.W., Columbia, MO 65202, (314) 445-6163

## ● Scary Poems for Rotten Kids

Whether you are frightened by goblins or Gerbelgeks, fog phantoms, or even the dreaded pocket monster, you'll find lots of chuckles and chills in Scary Poems for Rotten Kids. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## ◆ School Announcement System

Allows schools to send school announcements across network of monitors. Can activate during class breaks and lunch. Allows for extra instructional time and frees you from dependence on PA system. Uses 'info channel' format of 'host' and nodes. Host = A2500 and up. Nodes = A500+. Requires Scala info channel. Price flexible by installation.  
Mr. Horan's Computer Lab, 12975 US 60, Middletown St. Mall, Louisville, KY 40243, (502) 244-9595

## The Magic Mirror

A toolbox for your mind. Many ideas and strategies are given to help you create a deeper understanding of the many forces affecting your life. If you like what you find, no problem; if not, you change, using the powerful techniques found here. The program keeps track of your progress. \$39.95  
Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172

## ◆● The Night Before Christmas

A father witnesses the arrival of St. Nicholas, who with his dimples and 'a little round belly' fills children's stockings before returning to the night. As with any Discs book, you can ask it to read your favorite passages, explain or pronounce unfamiliar words, and even identify objects in the

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accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ● The Paper Bag Princess

Once upon a time a beautiful princess and a handsome prince lived in a castle. Suddenly the castle is destroyed by a fierce dragon, the prince is carried away, and the princess is left with only a paper bag to wear. This story has all the elements of a traditional fairy tale but with a contemporary twist—the princess is the heroine. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ◆◆ The Paper Bag Princess: International Version

This international version of The Paper Bag Princess has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ● The Tale of Benjamin Bunny

Benjamin Bunny and his cousin Peter Rabbit visit Mr. McGregor's garden to retrieve Peter's clothes left there on a previous visit. Their expedition is going well—until they are trapped by a nasty cat. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ● The Tale of Peter Rabbit

This is the classic tale of naughty Peter Rabbit, written and illustrated by Beatrix Potter. Follow Peter as mean Mr. McGregor chases him around the garden, into a gooseberry net, and even through a window. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ◆◆ The Tale of Peter Rabbit: International Version

This international version of The Tale of Peter Rabbit has multiple background languages. You have the option of choosing a Spanish, German, Italian, or French pronunciation, in addition to the regular built-in educational features. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ● Thomas' Snowsuit

Children and adults—especially those who have tried to get feisty kids into clothes they don't want to wear—will appreciate the story of Thomas' Snowsuit. Watch how everyone tries to get Thomas into his detested new snowsuit, and see how they all end up wearing it instead! As with any of

the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario,, Canada M2N 5W9, (416) 250-6537*

## ◆ Video Coach

Allows coach to 'Madden-ize' game films. Developed by a coach, this product saves valuable time; increases productivity by creating game highlight films in annotated manner. Requires A2000 and higher. Price shown does not include tape decks. \$2000.00  
*Mr. Horan's Computer Lab, 12975 US 60,, Middletown St. Mall, Louisville, KY 40243, (502) 244-9595*

## ◆ Video Network

Allows video to be sent across all monitors in lab. Show 'snippets' then flip switch to word processor and write. Ideal for use with video microscope. For any Amiga or Apple II lab. \$25 per station (four minimum), add \$10 per station for Apple. *Mr. Horan's Computer Lab, 12975 US 60,, Middletown St. Mall, Louisville, KY 40243, (502) 244-9595*

## ◆◆◆ BIOLOGY ◆◆◆

### Biology By Martha: Human Biology CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Human Biology HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Invertebrate Animals CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Invertebrate Animals HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Microbiology CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Microbiology HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Plants CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Plants HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Reproduction CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edi-

tion. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Reproduction HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Vertebrate Animals CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology By Martha: Vertebrate Animals HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology by Martha College Edition

Combination human-biology and microbiology. \$199.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Biology by Martha High School Edition

Combination human-biology and micro-biology. \$99.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Birds 'N' Bees

Facts of life instruction for children ages 7 to 12. Parents can set the computer for the age and sex of the child, and can control the amount of information the child receives. There is a question-and-answer section, as well as a dictionary portion. \$14.95  
*Intracorp, Inc., 14540 SW 136th St., Ste 204, Miami, FL 33186, (800) 468-7226*

### Journey Through A Cell

Interactive journey through plant and animal cells including Photosynthesis. Features scanned images, diagrams, and quizzes. PAL (NTSC soon) AmigaVision required or runtime version extra. \$69.95; runtime \$89.95.  
*HC Software Australia, GPO Box 2204, Adelaide, South Australia, Australia 5001, (011) 618-262-4461*

## ◆◆◆ BUSINESS ◆◆◆

### ◆◆ BarPro/A Version 3.0

Bar code printing and IFF image software for all Amiga systems with all features of BarPro/A2.1. Also generates Universal Product Code UPCA, UPCA+2, UPCA+5, and UPCE labels for commercial products. AmigaDOS 1.3 and 2.0 compatible. \$4 shipping. \$199.95  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 154.**

### Starting a New Business

Students discover the ins and outs of starting a new business venture as they make decisions about trade name, partnership agreement, incorporation, budgeting, marketing, inventory, advertising, hiring employees, raising capital, recordkeeping, taxes, and insurance. Two disks. \$59.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### The Ad Game

Learning objective is to read a vertical bar graph and interpret the data for maximum results. The student is given a product to sell and profile the age groups that buy it. The goal is to use the most effective advertising medium—radio, TV, newspaper, and magazine—to reach the greatest audience. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ◆◆◆ ECONOMICS ◆◆◆

### Spell M-O-N-E-Y

The learning objective is to identify the definitions of basic economic terms. The student's goal is career advancement and security through education and promotion. Wages and saving may increase as a part of performance evaluation. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## ◆◆◆ ELEMENTARY ◆◆◆

### A Christmas Carol

Complete bookdisk of Dickens' A Christmas Carol with at least 10 illustrations and talking slide show. Two disks. \$7.00  
Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926, (916) 343-7658

### AB-Zoo

Teaches young children, ages 3 to 6, letter recognition and develops their reading and typing abilities in an entertaining and stimulating fashion. \$19.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

### ABC's

Another talking story for the Talking Storybook. Young children can learn the alphabet through enjoyable pictures and graphics. Speech, music, and digitized sounds make the story enjoyable as they learn. \$29.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

### ABCgames

Five levels of alphabet-playing fun. Exercises begin with introduction to individual letters, followed by the entire alphabet, finding letters on the screen, keyboard letter entry, and finally the spelling of simple words from modifiable lists. Tutorials on mouse and keyboard use included. Intended for pre-school to second grade users. No reading or writing skills required. ABCgames is designed specifically for the Amiga, and fully utilizes the music, speech, animation, and color capability of the computer. Requires 512K memory with mouse. Operates on Version 1.2 or 1.3. PAL/NTSC compatible. ABCgames is not copy-protected. \$30.00  
Parth Galen, P.O. Box 482, Cold Spring, MN 56320, (612) 685-8871

**Please see display ad page 53.**

### Aesop's Fables

Twelve illustrated stories with reading and vocabulary questions, 800-word spelling list. Ages 6-9, one or two players. Four different learning games are included. You may also add your own weekly spelling lists for practice. Memory game options include matching pictures to pictures, pictures to words, words to words, or words to contractions. Uses speech and great graphics. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818

### ● Clock Works

Version 1.1 PAL and NTSC available now. Teaches telling the time and introduces number ideas. Clocks of four sorts and shapes with digitized sound: Cuckoo, Westminster chimes, and human speech. Digital clock has 24-hour option. Works in clock-setting and question modes. PAL/NTSC, AmigaDOS 1.2-2.0 compatible. Price includes airmail. \$24.95  
Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761

### Coloring Disk #1-Alphabet

To be used with My Paint, Coloring Disk #1 presents all the letters of the alphabet with a corresponding drawing to color in. Each letter also has accompanying digitized speech, which enunciates the name of the letter and the object or animal next to it. All new drawings include: cake, duck, fruit, elephant, goat, kite, owl, inchworm, vegetables, xylophone, watermelon, jam, bear,

and more! \$29.95

Centauro Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

### Coloring Disk #2-Majelix

To be used with My Paint, Coloring Disk #2-Majelix is a beginning reading method based on phonics and sight reading. The Majelix coloring disk provides an introduction to all twenty-nine of the Majelix characters. The names of these enjoyable characters contain all the clues to the series one phonics code. These coded names provide the child with an easily accessible unconscious reference to the phonics code. \$29.95  
Centauro Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

### Crayons And Rainbows

Teaches pre-schoolers about colors in a fun game format with animated characters and colorful graphics. Requires 1 MBRAM and two disk drives. \$19.95  
Trumor Company, Inc., The , 2745 201st Ave. NW, Oak Grove, MN 55011, (612) 753-5050

### Early Math MA-902

This disk contains four programs. The learner counts steam engines or box cars and names the numeral. The student identifies the missing number in a three-number counting sequence. A dump truck hauls answers away. The learner adds two groups of objects either by counting or by identifying the sum of their numerals. By means of objects pictured on the screen, the student is introduced to the operation of subtraction. NTSC only. \$49.95  
MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242

### Electric Crayon Deluxe: All Dogs Go To Heaven

Simply point and click on the color palette of 24 colors out of 4,906 available, then click the crayon in the area you want to fill! The Electric Crayon Deluxe computer coloring books offer Custom Banner, Calendar, and Poster-Making capabilities, and digitized sound. Design a banner with a colored picture at each end and your personal message in the middle. Write poster messages to be displayed below your work of art, or print the picture with the computer-supplied description that will describe facts about the animal you've just colored! Make calendars and mark special occasions with 64 colored stickers enclosed in the package. See CDTV section also. \$19.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

### Electric Crayon Deluxe: At the Zoo

The next best thing to being there! As each picture is accessed, a digitized sound file is played of the lion, tiger, bear, etc. You can color the picture and play the sound over and over. There is also a Description file to accompany each picture containing information and little known facts about the featured animal. Each picture can be printed in color and black and white with one of six print options, including: Custom Banner, Personalized Message, Print with Description, and Print with Calendar. A sheet of 64 color stickers is included to mark special days on the calendars. \$19.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

### Electric Crayon Deluxe: Teenage Mutant Ninja Turtles

The Turtles' World Tour contains 30 pictures of the Teenage Mutant Ninja Turtles visiting famous world landmarks such as the Statue of Liberty, Mount Rushmore, and Stonehenge. Children can color and enjoy each picture time and time again. Print banners as well as posters and calendars of their favorite turtle scenes. \$19.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

### ● Kim

A visual memory challenge based on the party favorite 'Kim's Game.' Objects are displayed for a set time and disappear. They then reappear with others. Players select correct ones, either by pictures or words. Groups include fruit/vegetables, transport, animals, flags, numbers, letters, food and common articles. Plus chance to create own sets with any graphics program! Scores are recorded; play alone or with a friend. Used to

help reading too. Comes with a book of the illustrations which may be photocopied for use with the program. Kim is now also available in a MAORI version (PAL only) called Kimi, and in a Swedish version. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. Price includes airmail. \$24.95  
Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761

### Kinderama

Five talking games with animated graphics. Beginning addition, subtraction, upper and lower case letters, and more. Awarded Best Educational Program of 1988 by Commodore. Uses speech to enforce learning. Also includes a Robot Construction Set for creative fun. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818

### LD-901 Dinosaurs

If you're ready to use interactive Amiga/Laser Disc programs, here is a high quality product that's all set to go. The instructional package contains both the Amiga software and the laser disc. Any Amiga with at least 512K will do the job. We recommend that you laser disc player be Pioneer's Model 2200. NTSC and PAL. \$89.95  
MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242

### ● LOOK!HEAR!

LOOK!HEAR! uses bright animated graphics, large clear letters and natural digitized speech to teach and test 'sight words': the 240 core words children up to and including the eight year old level should recognize and pronounce instantly. Also for anyone with reading problems or learning English. Comprehensive recording and printing of progress. Extra word disks are being produced; inquiries for special languages are welcome. Price includes airmail. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. \$59.95  
Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761

### Little Red Hen (story diskette)

Enjoy the story of the Little Red Hen as she works, plants, harvests the wheat, makes flour, and bakes bread. Featuring digitized and synthesized sounds, music, and animation. For use with Talking Storybook reader diskette. \$29.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

### Match-it

Teaches children basic colors and shapes through games and tutorials. \$39.99  
Other Guys, The , 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### ◆ MatchIt!, SnapIt! & RememberIt!

Three programs on one disc. In SnapIt!, cards are dealt from both hands. Hit the Snap! button if they match before time runs out. Develops one-to-one matching. In MatchIt!, a new card pops up and you have to find a match in the tray before time runs out and the Amiga steals the card. Develops one-to-many matching/scanning skills. In RememberIt!, select a square to reveal a card. Select another to find a match. If they don't match, both will disappear. Develops many-to-many matching and visual memory. The package features an on-disk interactive manual, the ability to add your own pictures, and subject matter is user definable—examples include maths, colors, and language, visual perception. \$30.00  
Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168

### My Paint 2.0-The Paint Program Just For Kids

My Paint is an easy-to-use, educator-approved, and classroom-tested paint program which has been designed especially for children. Everything about it, from the color of the program disk to easy user interface with animated icons, was designed with youngsters in mind. The interface is entirely based upon intuitive icons, and no reading skills are required. Features include colorful, animated icons for all tools, a complete 'coloring book' of pictures to be colored, sampled sounds which accompany each picture, multiple brush sizes, special 'surprise' pictures, painting and

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# Education

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AMICUS FRS Index
AC's Back Issue Index
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Product Index by Vendor
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mirror modes, special effects, color cycling, and more. As enhancements to the program itself, a series of optional, educational 'coloring book' disks which teach the alphabet, phonetics, reading skills, and other concepts to young minds are also available. Upgrades are available to registered users for \$14.95. See CDTV section also. \$49.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226**

## My Paint Coloring Disk #1

Alphabet Fun! Each of the letters of the alphabet is presented with an amusing, interesting drawing for kids to color in. All the letters of the alphabet have digitized speech accompanying them, saying the name of the letter and the corresponding object or animal. Great, educational fun for all young children. \$19.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226**

## My Paint Coloring Disk #2

Majelix is a beginning reading method based on phonics and sight reading. The Majelix coloring disk provides an introduction to all 29 of the enjoyable Majelix characters. The Majelix character names provide children with a powerful reference to the English phonics code which helps them with their reading skills. \$19.95  
**Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226**

## © Nimble Numbers

Takes the child from the skill of counting to learning basic number facts. 'I want to count' displays from 1-5, 1-10 or 1-15 large colorful fish. Child points to correct number. Graphic rewards and clear reinforcement with natural digitized speech. Simple addition, subtraction, multiplication and division problems are presented, with bold bright display of equations. Child uses mouse to select correct answer. Also available in a MAORI version. Price includes airmail. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. \$24.95  
**Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761**

## Nursery Rhymes (story diskette)

Children learn to read with familiar rhymes such as Jack and Jill, Humpty Dumpty, Little Miss Muffett, and more. For use with Talking Storybook reader diskette. \$29.95  
**Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947**

## ◆ Phunny Phonemes

Sixteen phenome types and more than 100 letter combinations regularly used in English spelling are taught in a game environment. Exercises take place in the classroom of a computer school and on the job at a space station construction site. Spoken instructions provided within the game; no initial reading or writing skills required. Exercises bracket Grades 1 through 6 skill levels; an editing program is included to modify lessons. Fully utilizes Amiga music, speech, color, and animation. Two disks with 80-page manual. Requires 1MB one disk drive, and mouse or trackball. PAL/NTSC compatible; Workbench 1.2/1.3. Not copy protected. \$33.00  
**Parth Galen, P.O. Box 482, Cold Spring, MN 56320, (612) 685-8871**

**Please see display ad page 53.**

## RE-910 Learning the Alphabet

Teaches upper and lower case letters in sequence. Uses mouse for easy responding. The computer speaks throughout each lesson. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## RE-915 Beginning Reading

Beginning reading skills on four disks, grades K-3. All lessons are phonics-based. Teaches more than 1000 words. Uses mouse for easy responding. The computer speaks throughout each lesson. NTSC only. \$89.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## Read & Rhyme

Outer-space theme. Talking language arts activities in phonics, reading, rhyming, and more. Ages 5-10, one or two players. \$49.95

**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818**

## Read-a-Rama

Talking program with six language arts activities. Includes authoring system for parents to create lessons. Ages 5-8 (two disks). Parents may add weekly spelling lists for practice. \$59.95  
**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818**

## Reading Adventures I-III

Interactive reading game allows players to participate in completing the story. Adventure 1, \$39.95; Adventures 2 and 3, \$59.95. \$39.95  
**Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224**

## Reading and Thinking Series

Challenging reading comprehension tutorial which teaches analytical skills so important to good comprehension. \$45.00  
**Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224**

## Robot Readers: Aesop's Fables

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
**Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024**

## Robot Readers: Chicken Little

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
**Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024**

## Robot Readers: The Ugly Duckling

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
**Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024**

## Robot Readers: Three Little Pigs

Reading game uses popular fairy tales to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
**Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024**

## Robot Readers: Little Red Hen

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
**Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024**

## Robot Readers: The Three Bears (Goldilocks)

The sixth program in the talking Robot Readers series for the Amiga computer. Beautifully illustrated classic stories for preschool through primary grade children. Robot Readers combine the latest research in the field of reading with the unique capabilities of the Amiga computer. Advanced mouse-driven features include reading aloud with each word changing color as it is spoken, an adjustable reading speed, pointing and clicking for the whole word and letter sound out, a Find-the-Word game, and audio-visual identification of the characters and objects in the illustrations. \$29.95  
**Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024**

## Sammy the Clown's Playground Volume One Version 1.1

Sammy the Clown's Playground was designed to provide a quality computing experience for parents and their children aged 2 to 5. The program presents the child with shape recognition, mouse instruction, sound recognition and much more in a non-competitive manner. Using bright colors, speech, digitized sound and mouse control, this program will spark the imagination of your child as only the Amiga can. Version 1.1 features im-

proved speech. Dealer inquiries welcome. Educational site license and discounts available. 2.0 compatible. 1MB required. \$19.95  
**Gifted Artists, 3216 Summit Ave., Baltimore, MD 21234, (410) 347-8395 bef. 5**

## Tales From The Arabian Nights

Three stories with graphics, questions, and glossary. Several games, mini-word processor. Ages 8-12, 1-2 players (2 disks). Talking program helps develop important comprehension and vocabulary skills. \$49.95  
**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818**

## The Adventures of Sinbad

Three stories, over 600 questions. One or two players. Join Sinbad to earn his fortune and see the world. Includes mini-word processor, and more. This talking program builds vocabulary and comprehension skills. \$49.95  
**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818**

## The Legend of Sleepy Hollow

A complete bookdisk of The Legend of Sleepy Hollow. Includes over 10 illustrations and talking slide show. \$4.00  
**Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926, (916) 343-7658**

## The Sesame Street Crayon Series: Letters for You

The Sesame Street gang introduces children to the ABC's. Offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem accompanying each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options including: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353**

## The Sesame Street Crayon Series: Numbers Count

The Sesame Street gang introduces children to numbers and offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem to accompany each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options which include: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353**

## The Sesame Street Crayon Series: Opposites Attract

The Sesame Street gang introduces children to opposites. Offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem accompanying each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options including: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
**Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353**

## © The Talking Animator

Easy-to-use page flipper. Gives each frame its own palette of colors from 4096 total. Incorporates talking text into any page of graphics to give you the ultimate doodle pad to create stories or cartoons. All documentation on-line; just press the Help key. Ghosting feature lets you see images



from previous pages for graphics placement and smooth animation. The output works well with genlocks. Runs with 512K but 1 MB is recommended. Shipped with data disk full of animations. \$49.95  
JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464

## The Talking Coloring Book

Talks to the child and teaches color recognition. Drawing option allows children to draw, color, and print their own pictures. In practice option, using a teacher approach, the computer patiently helps preschoolers learn colors and the color words. \$29.95  
JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464

## The Talking Storybook (reader diskette)

Teaches reading skills by example. No reading skills are necessary to operate, works for pre-readers also. Uses digitized and synthesized sounds, four-part harmony music, and animation. Read pages sequentially, flips to any page forward or backward. Requires reader diskette. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

## The Three Bears (story diskette)

Enjoy a familiar story while learning to read or improve reading skills. Uses digitized sounds, entertaining graphics, and four-part harmony music. For use with Talking Storybook reader diskette. \$29.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

## The Wonders of the Animal Kingdom

Six activities teach about the animal kingdom and develop reading and vocabulary skills. One to four players, graphics, voice. Age 6-12. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818

## ♦♦ Treble Pack

Consists of triple pack of Hokianga products: Clock Works, Kim, and Nimble Numbers. AmigaDOS 1.2-2.0 compatible. \$60.00  
Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761

## ♦♦♦ ENGLISH ♦♦♦

### Antonyms

Antonyms are the focus of this interactive teaching program. Each lesson gives the learner practice in supplying the antonyms of words presented by the computer. The student can request help from the computer as needed. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### CP-941 Capitalization

Capitalization teaches students how to capitalize words correctly within sentences. Nine lessons teach 24 capitalization rules. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### CW-903 Let's Begin A Story

You've given your students an assignment: WRITE A STORY. For many people, getting started can be the hardest part. This program is designed to help free those good beginnings that are locked inside your students' pens, pencils, or keyboards. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### Developing Writing Skills

Excellent tutorial for students in grades 6-9. Requires 256K, 512K recommended. \$60.00  
Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

### English Composition Skills

Comprehensive tutorial will improve writing skills of high school students and above. Requires 256K, 512K recommended. \$45.00

Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

### GR-910 Basic Grammar

Basic Grammar teaches students to identify nouns, verbs, adjectives, prepositions, conjunctions, and interjections. The program teaches and tests for mastery learning. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### How to Spell

A tutorial on the principles of correct spelling. Each rule is explained, illustrated, and drilled. Each wrong answer brings additional remediation. Grades 4-7. \$29.95  
Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

### Image Spinning (Creative Writing)

This program provides practice in putting together effective images that can be used in almost any kind of creative writing, especially in poetry. Throughout this exercise, the computer acts as an idea starter, while the final results are entirely the student's own. NTSC only. \$49.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### Land of the Unicorn

Educational program for grades 3-8 covering synonyms and antonyms, as well as problem solving. Includes intricate maze game. \$59.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818

### Mr. Robot's Speak'n Spell

Picture-oriented word game for ages 6 and up. Players try to match words with pictures and clues. Includes music, crossword puzzles, animated talking robot, and 1020 color pictures (20MB uncompressed). Teaches over 1000 word spellings, meanings, and pronunciations of increasing difficulty in 204 levels of play. \$49.95  
Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821, (800) 272-4601

### PU-940 Punctuation

Teaches students how to punctuate properly. Contains four lessons which teach 42 punctuation rules. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### Practical Composition I-V

The rules of good writing are the focus of these tutorials, which are followed by practice materials aimed toward the development of effective writing skills. Each disk presents a series of related concepts, explains each concept, tests the student's understanding, and provides examples, using multiple-choice, fill-in-the-blank, and 'cloze' technique exercises. I-Using words correctly. II-Logical, clear sentences. III-Selecting the best approach. IV-Making sentences work. V-Using words correctly. Volumes I, III, IV, and V are \$34.95 each. Volume II (two disks) is \$74.95.  
Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

### Practical Vocabulary

High school-level drill for recognition and use of definitions, antonyms, synonyms, word roots, and prefixes. \$54.95  
Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

### RE-921 Booksoft One Comprehension-Elementary Level for Jr./Sr./High School Students

Uses a combination book-with-software approach to instruction. Ten story lessons feature easy vocabulary with older level reading content. NTSC and PAL. \$39.00  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### RE-940 Stories in Reasoning with the Great Detective Genlock

The student's task is to draw conclusions from given facts within a variety of story situations. Secret passwords. Genlock Holmes and reasoning grids are involved in each story exercise. This reading comprehension program challenges students to do more than just recall information. It

responds to those education critics who want programs that make students think. NTSC and PAL. \$49.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### RE-941 Basic Reading Literacy Series

This instructional series is designed both for young people and older adults who can understand and use spoken English, but who cannot read. The scope of the program ranges from beginning word attack skills up to a newspaper level of comprehension. NTSC and PAL. Inquire for prices.  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### RE-942 Reading Detective: A Word Game

This is for anyone who wants to cope with a new way of reading the ANGUISH LANGUAGE. Decipher what happened when LITTER WE RYE DING HOOT METER WICKET WOOF ASH SHAY VENT TOUR GROIN MURDERS COD DITCH HONOR UDDER SIGHED OFFER LODGE DOCK FLORIST, and so on with other examples of your own. Perhaps you yourself might become a writer of the ANGUISH LANGUAGE! If you, or some of your students, think it would be fun to grapple with English that has run amuck, we recommend this program. NTSC and PAL. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### Reading and Thinking I-III

Designed to help train students who read well but comprehend only at the factual level, this series of programs stresses the interpretive or inferential level, and the evaluative or critical level of reading. These programs provide a challenge to gifted students as well as older students requiring remediation, because the vocabulary is controlled but the questions require good analytical powers. \$54.95  
Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

### SP-902 Spelling

Blends speech with screen-printed text. For grade 2. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### SP-903 Spelling

Blends speech with screen-printed text. For grade 3. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### SP-904 Spelling

Blends speech with screen printed text. For grade 4. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### SP-905 Spelling

Blends speech with screen printed text. For grade 5. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### SP-906 Spelling

Blends speech with screen printed text. For grade 6. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

### SP-907 Spelling Detective Game

Become the Great Spelling Detective and learn how to spell 100 of the most frequently misspelled words in the English language. Along the way you will discover how the Amiga is programmed to speak words like 'acquaintance,' 'noticeable,' 'occurrence,' and 'privilege.' NTSC and PAL. \$39.95

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Last Minute Additions

MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## Spell-A-Fari

Uses synthesized and digitized speech to teach spelling skills. Create and edit spelling lists of up to 54 words. High-quality graphics animations. Six games to print to the printer or play from the computer. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## Spelling 1

Expansion Disk for Discovery spelling game for grades 1 through 10. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Spelling 2

Expansion Disk for Discovery grades 9 through 12. Spelling proficiency advances through ten levels. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## The Word Master Vocabulary Builder

Four educational activities designed to build word-power skills, including placement test and Pac-Man-type maze game. Designed for grades 3-8. Expandable with Supplementary Data Disk for grades 9-12. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818*

## VO-920 Vocabulary Series One

Vocabulary series high-level package includes words from the 'New York Times,' 'Atlantic Monthly', etc. Learner-controlled instruction. Eighteen lesson games teach more than 700 vocabulary words. Each lesson game can be played by one to four players. NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## VO-921 Vocabulary Series Two

In this series of lessons, the user works with words that have the same, or similar meanings as other words. For example, the words 'banish' and 'eject' could be paired as synonyms. A combination of multiple choice, fill in the blanks, and spelling tasks are involved. The Amiga will provide assistance as needed. NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Vocabulary Adventure I: The Castle of Treasures

Grades 4-6. This adventure takes place in an imaginary 50-room castle. The player begins in the Entry Room and must try to enter each of the other 49 rooms, accumulating treasures as he or she progresses. Treasures are worth a varying number of points and become increasingly more challenging to obtain within each room. Players can also pick up points while traveling through passageways from room to room. \$49.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## Vocabulary Adventure II: The Labyrinth

Grades 6-8. Players explore an imaginary labyrinth, accumulating points as they go. Each area features three multiple-choice vocabulary questions describing the area and the creature that lives there. Players can also pick up points while traveling through passageways. \$49.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## Vocabulary Adventure III: Marauders of the Lost Ark

Players take on the role of explorers as they search for treasures throughout the ark, moving to a new location after solving each vocabulary mystery. \$49.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## Vocabulary Adventure Package

Text-based simulations: An exciting way to master new vocabulary. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## WD-915 Word Demons

A lesson in usage of homonyms and verbs. The six lessons on this disk help you learn the correct usage of certain sets of words that often give trouble. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## WD-916 Usage Boners

In this series of lessons, the user learns to identify common mistakes in usage, such as, 'I Should Of Know', or 'He Gave It To Mary And I.' NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Words That Sound Alike

In this program, the student learns to identify and spell words that sound the same but are spelled differently. For example, 'wait' and 'weight,' or 'steak' and 'stake.' The Amiga provides help when needed. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ❖ ❖ ❖ ENGLISH AS A SECOND LANGUAGE ❖ ❖ ❖

### LA-985 American English for Spanish Speakers

A two-disk set. All screen messages for the learner are in Spanish. The computer speaks throughout each lesson. NTSC and PAL. \$69.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### LA-986 American English for German Speakers

A two-disk set. All screen messages for the learner are in German. The computer speaks throughout each lesson. NTSC and PAL. \$69.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### LA-987 The English Alphabet for Speakers of Urdu

The computer speaks both English and Urdu throughout each lesson. NTSC and PAL. \$39.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### LA-988 American Idiomatic English

Designed for persons who can understand plain English, but who may not understand expressions. Especially useful for, but not limited to, individuals who are learning English as a second language. NTSC and PAL. \$39.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### Learning English As A Second Language

This 11-disk series begins the job of teaching English as a second language. Digitized pictures are extensively employed. The Amiga speaks throughout the entire series. The mouse is the response device. Note: This series begins the job of teaching American English as a second language. As such, it is suitable only for persons who do not yet know English. It would be too simple for anyone who's beyond that point. NTSC only. \$389.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ❖ ❖ ❖ FOREIGN LANGUAGES ❖ ❖ ❖

### ●● Audio Gallery-Chinese

Audio Gallery-Chinese is a talking picture dictionary which helps you learn written and spoken Mandarin Chinese. Contains over 25 illustrations of scenes such as Kitchen, Communications, and Classroom. Click on an object in the picture to hear it pronounced by a native speaker and see the translations in characters, Pinyin and English. Seven-disk set contains over 700 digitized word and phrases. Includes on-line dictionary, quizzes, and associated grammar manual. Adjusts to NTSC/PAL. Requires 512K, disk drive.

AmigaDOS2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

**Please see display ad page 53.**

### ●● Audio Gallery-ESL/Oriental

Audio Gallery-ESL/Oriental is a talking picture dictionary which teaches you the vocabulary of American English. Includes 30 common scenes, such as Living Room, World Geography, Weather, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Translations provided in Chinese, Japanese, and Korean. Contains seven-disk set with over 800 digitized words, quizzes, on-line dictionary and English language grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

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### ●● Audio Gallery-ESL/Romance

Audio Gallery-ESL/Romance is a talking picture dictionary which teaches you the vocabulary of American English. Includes 30 common scenes such as Weather, Country, Supermarket, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Translations provided in French, German, and Spanish. Contains seven-disk set with over 800 digitized words, quizzes, on-line dictionary, and English language grammar manual. Adjusts to NTSC/PAL. Requires 512K, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

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### ● Audio Gallery-French 1.1

Audio Gallery-French is a talking picture dictionary which helps you learn the vocabulary of continental French. Includes 28 scenes of general interest such as kitchen, classroom, weather, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Eight-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC/PAL. Requires 512K RAM, one disk drive. AmigaDOS2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

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### ● Audio Gallery-German

Audio Gallery-German is a talking picture dictionary which helps you learn the vocabulary of Hochdeutsch German. Over 25 scenes of general interest, such as Transportation, Family Tree, City Center, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Seven-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC/PAL. Requires 512K RAM, one disk drive. AmigaDOS2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

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### ●● Audio Gallery-Italian

Audio Gallery-Italian is a talking picture dictionary which teaches you the vocabulary of modern Italian. Includes 28 scenes of general interest such as Weather, Kitchen, and Alphabet. Point and click on the objects in the picture to hear them pronounced by a native speaker. Seven-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95

*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

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## Audio Gallery-Japanese

Audio Gallery-Japanese is a talking picture dictionary which teaches you modern spoken and written Japanese. Contains over 30 colorful IFF illustrations of scenes such as Kitchen, Shopping, and Animals, combined with over 800 digitized letters, words, and phrases. Seven-disk set presents Katakana and Hiragana syllabary, Kanji characters, Hepburn romanization, and English translations. Includes on-line dictionary, quizzes, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*  
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## Audio Gallery-Korean

Audio Gallery-Korean is a talking picture dictionary which teaches you modern spoken and written Korean. Contains over 30 colorful IFF illustrations of scenes such as Face and Body, Professions, and Animals, combined with over 800 digitized letters, words, and phrases. Seven-disk set presents Hangul syllabary and characters and English translations. Includes on-line dictionary, quizzes, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*  
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## Audio Gallery-Portuguese

Audio Gallery-Portuguese is a talking picture dictionary which teaches you the vocabulary of modern Portuguese. Includes 30 colorful scenes such as Places, Numbers, and Places of Interest. Point and click on the objects in the picture to see how they are spelled in Portuguese and translated into English, and to hear them pronounced by a native speaker. Seven-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. Adjusts to NTSC and PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*  
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## Audio Gallery-Russian

Audio Gallery-Russian is a talking picture dictionary which teaches you the vocabulary of modern Russian. Includes 30 scenes of general interest such as Shopping, Places, Numbers, etc. Point and click on the objects in the picture to see how they are spelled in Cyrillic and translated into English, and to hear them pronounced by a native speaker. Eight-disk set has over 700 digitized words. Includes quizzes, on-line dictionary, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$129.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*  
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## Audio Gallery-Spanish

Audio Gallery-Spanish is a talking picture dictionary which helps you learn the vocabulary of Spanish through illustrations and digitized sounds. Consists of seven-disk set featuring 28 scenes of general interest, such as Weather, Shopping, etc. Contains 650 digitized words or phrases by a native speaker related to the objects in the picture. Includes quizzes, dictionary, and grammar manual. NTSC or PAL. Requires 512K RAM, disk drive. AmigaDOS 2.0 compatible. Australian dist. Kaotic Concepts, Underbool 3509, Victoria, 50-946-358. \$89.95  
*FairBrothers, Inc., 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*  
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## Beginning German

MicroEd used its powerful C.L.A.S. authoring system in collaboration with a German language teacher to create this original program of foreign language instruction. The Amiga speaks German throughout every lesson, and will not allow the student to enter any incorrect word, or even a single wrong letter! The program assumes the

learner knows English. NTSC and PAL. \$69.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Cyrillic Alphabets 2.3

Russian, Macedonian, Ukrainian, Serbian & Bulgarian character sets suitable for students, professors, government workers, or anyone who needs small to medium-size attractively modelled bitmap fonts for letters, assignments, or as a learning tool. Includes utilities and three keyboard configurations for each language (15 in all). Switch easily between AATSEEL, QWERTY-phonetic & Soviet typewriter keymaps. Full English set included in each. English & Cyrillic can be combined in one document. Twelve typefaces, about 36 styles, 8 to 42 lines high. Comprehensive 80-page manual, keyboard charts & samples. \$44.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## French Grammar I-III

The French Grammar Series is designed to provide instruction in all the major points of French grammar and usage. Vol. I includes nouns, definite and indefinite articles, prepositions, and more. Vol. II includes qualifying adjectives, interrogative forms, negative forms, cardinal and ordinal numbers, and more. Vol. 3 includes first, second, and third conjugation regular verbs and imperative forms. Ten lesson modules. Three volumes; \$34.95 each. \$34.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## French Grammar Series I

Nouns, adjectives, numbers, prepositions, verbs. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## INTERNATIONAL FONTS

International version of Professional Font Library supports Western European languages (French, Italian, Portuguese, Spanish, Danish, Swedish, Norwegian, Finnish, Icelandic, and German). Small, medium, and medium-large artist-designed monochrome and color bitmap fonts especially suitable for WYSIWYG word processing and paint program applications. Includes multiple diskettes, extensive documentation, foreign keymaps, key charts and utilities. 512k recommended, 2MB for color fonts. \$129.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## Japanese 1

An intro to basic spoken and written Japanese. Uses over 2.4MB digitized speech of a native Japanese to teach pronunciation, and incorporates customized fonts to teach written Japanese characters. The manual further develops grammar skills taught in the program. Requires 512K RAM minimum. Workbench 1.3 and 2.0 compatible. \$41.95  
*Education Tutorial Software, P.O. Box 988, Westminster, CA 92684, (310) 470-6205*

## Korean: Hangul Lab

Beginner's course in Korean. Teaches written Korean (Hangul) using animated syllable construction. Digitized voice of a native speaker teaches correct pronunciation. Two-disk set. \$29.95  
*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751, (512) 452-2441*

## Linkword

Language Software and audio tapes. French, German, Spanish, Italian, Dutch, Greek, Portuguese, and Russian. Uses mental imagery to link foreign words to acoustically similar English words. Learn 400 words in 10 hours, less than one third the time of conventional teaching methods. Ideal for travelers, business people, and first-year language students. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Spanish Grammar I-III

All of the major points of Spanish grammar and usage are covered in this series of interactive tutorials. Vol. I includes gender and number of nouns, definite and indefinite articles, present tense of regular verbs, and more. Vol. II includes

gender, number, agreement, and use of adjectives, saber and conocer, first and second person object pronouns, and more. Vol. III includes the preterit tense of regular, irregular, and stem-changing verbs; uses of the definite article; comparatives and superlatives; and more. Ten lesson modules. Three volumes; \$34.95 each.  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## Spanish Grammar Series I

Nouns, verbs, contractions, adjectives, key phrases, articles, possessives. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## ♦ ♦ ♦ GEOGRAPHY ♦ ♦ ♦

### Antarctica

Australian graphic atlas expansion module using easy-to-use point and click interface as found in (AGA). The four-disk set has a run time version and an AmigaVision version. Also, 3.2 upgrade for AGA expands AGA and allows you to view detailed information on climate, explorers, wildlife, and scientific stations. PAL only. Requires 1MB RAM or more. \$59.95  
*HC Software Australia, GPO Box 2204, Adelaide, South Australia, Australia 5001, (011) 618-262-4461*

### Australian Graphic Atlas 3.0 (with player program)

The Australian Graphic Atlas for the Amiga is ideal for teachers to illustrate their lessons on geography. Using maps of Australia and the states, provide quick access to any part of the country and any type of map. Entirely mouse- and menu-driven, it features the ability to show maps of climate, land use, flora, fauna, population, minerals, and soils. Each capital city is also featured with its own map and detailed information. Six disks and over 60 screens of maps. All maps are IFF compatible; PAL; automatic hard-disk installation. A demo disk is available. AmigaVision required. \$89.95  
*HC Software Australia, GPO Box 2204, Adelaide, South Australia, Australia 5001, (011) 618-262-4461*

### Choromap

Make maps showing any data for any area. Produce basemaps with the mouse. \$51.00  
*Bassett Geographic, 1103 E. Magnolia Avenue, Auburn, AL 36830, (205) 887-9057*

### Digital Landscape 2.0

Digital Landscape 2.0 produces 3-D solid and wire frame surfaces, profiles, and color contour renderings. The programs will now load ASCII text files such as portions of U.S. Geological Survey DEM files. Latitude and longitude are now indicated. Grid size has been increased and each drawing screen now has its own simultaneously visible controls for easy rendering. The program includes three elevations disks with over 400,000 elevations covering the US. Data may be loaded from one of the elevation disks or entered through the keyboard. Elevation data covers the entire continental U.S. (excludes Alaska). Orders are now being accepted for a large new elevation set for Digital Landscape (36 times larger than the set included). \$124.95  
*Digiscape Software, P.O. Box 113058, Carrollton, TX 75011-3058, (214) 241-9891*

### Geography Adventure Games

Text-based simulations: Learn American and world geography while you play. Requires 256K, 512K recommended. \$60.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### Geography Expansion Disk for Discovery

Physical and political geography and more. Grades 9 through 12. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

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# Education

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## Great States II

Fun educational game. Learn important and interesting facts about the United States, with complete tutorials on each state. The game information includes state name, capital, abbreviation, date entered union, state bird, flower, tree, and bonus trivia questions. A great time for the whole family. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## U.S. Geography

Exciting game format provides hours of fun while students develop geography skills. As students travel to all 50 states, plus Washington, D.C., Puerto Rico, Guam, and the Virgin Islands, they learn to locate the states and cities in relationship to each other. Students also learn to identify each state, the state's capital, and the state's largest cities, rivers, and other noteworthy geographical features. Grades 4 and up. \$59.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## World Atlas Version 2.5

World Atlas is the first computerized atlas for the Amiga. It gives you direct access to information and details on more than 170 countries plus all fifty states. With World Atlas you can discover each country's history, population, language, and customs. In addition, World Atlas gives you Earth facts and information about different time sectors and more. To operate the program, you can choose from a displayed world map by clicking on the continent where the country you want is located; then on the location of the country written on the continent. Another way to choose is by using an alphabetical list of the countries. In addition, there is a seek function that allows you to find countries based on information you feed to the computer, such as capital, population, area, or language. AmigaDOS 2.0 compatible. \$59.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

## World Geography Adventure I-IV

Game format teaches student to identify countries, cities, and other geographical features of the world. Vol. I-North and South America; Vol. 2-Europe; Vol. 3-Africa; Vol. 4-Asia. Four disks, each is \$49.95.  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## World Odyssey

World geography in a puzzle format. Select map (12 choices) and answer questions about geography. You control the answer format. Score is kept for the 10 best players. \$49.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

## World Tour, Australia

Another game in the World Tour series. Use the tutorials to learn about the provinces, capitals, languages, and more. Play the game and see how much you know. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## World Tour, Canada

Another game in the World Tour series. Use the tutorials to learn about the provinces, capitals, languages, and more. Play the game and see how much you know. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## World Tour, Europe

An enjoyable educational game, based upon the popular Great States II. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graph-

ics, and sound. Print award certificates for outstanding scores. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## HEALTH

### Blood Gases

Teaches bed-side rapid blood gas interpretation; including arterial-alveolar diffusion gradients, acid-base balance, acidosis correction, and normal values. \$49.95  
*Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004, (801) 756-6027*

### Cardiac Arrest!

Advanced Cardiac Life Support (ACLS) simulator, user assumes role of code team leader, typing resuscitation orders in plain English. Complex, simple, and pediatric scenarios, 45 patients total. On-screen EKG rhythm strip. Allows user to practice and refine ACLS skills. \$69.95  
*Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004, (801) 756-6027*

### Code Team!

Training programs for Advanced Cardiac Life Support (ACLS). On-screen EKG rhythm strip interpretation, self-teaching quizzes, arrhythmia scenario simulator. Prepares user to pass ACLS certification or review ACLS concepts and treatments. \$69.95  
*Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004, (801) 756-6027*

### Diabetic Diet Manager

Assists the diabetic in food selection based on his/her doctor's recommendations. \$49.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Health Med

Comprehensive home medical guide. \$99.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Nutri-Fax

Nutritionally analyze your recipes for the most common nutrients. Data base utilizes food items from USDA Handbook 8 and allows for easy user expansion. Includes Variety Cookbook Recipe disk with over 150 recipes edited for home use. \$59.95  
*Megiddo Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666*

### Nutrition Guide for the Home

Provides nutritional information on a personal basis. Recipe analysis, and daily intake analysis. \$89.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Nutrition: A Professional Guide

A nutrition planning, reference, and analysis tool for the professional. Two disks. \$199.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### Recipe-FaxNFX

A special, nutritionally enhanced version of Recipe-Fax 2.0, integrating Nutri-Fax's nutritional analysis into Recipe-Fax's easy-to-use recipe creation/editing and processing environment. Adds nutritional analysis of recipes and a user expandable, integrated ingredient database utilizing food items from USDA Handbook 8. Requires 1MB, AmigaDOS 2.0 compatible. \$74.95  
*Megiddo Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666*

### SC-936 AIDS Information Game

Provides basic information on the AIDS virus in a game format for one to four people. NTSC only. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### Total Control Diet

A high-tech approach to weight control and diet. Personal history and specific daily recommendations. \$49.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

## HISTORY

### All About America

U.S. history and geography with 16 stories, illustrations, questions, maps, and quizzes. Ages 6-11. Two disks. Each story is followed by comprehension and vocabulary questions. Map disk covers states and capitals, directions, postal abbreviations, North & South before the Civil War, and colony maps. Uses speech as an extra stimulus. \$59.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste 1, Las Vegas, NV 89119, (702) 597-0818*

### American History Adventure

Encourages players to master historical relationships and details through repeated play and by providing an incentive to study. In this exciting learning experience, the student plays a roving reporter who tries to meet with and identify 92 historical characters in American history, and locate them correctly in time and place. The top 40 scores are recorded in the 'Hall of Fame.' Grades 7 and up. \$49.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### History

Expansion Disk for Discovery grades 9 through 12. Ancient through modern history. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

### History Adventure Games

Text-based simulations: Learn American and world history while you play. Requires 256K, 512K recommended. \$35.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### SS-951 Lewis and Clark Expedition

Five disks with 50 digitized photographs and drawings provide pictorial settings for Lewis and Clark's expedition. NTSC only. \$89.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SS-952 Across the Plains

This two disk program provides students with information about the Westward Movement, that long and hazardous journey of American emigrants, using everything from handcars to covered wagons, across the Great Plains all the way to the West Coast. NTSC only. \$59.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SS-953 Early Great Lakes

A three-disk book on the fur trade. Interactive text, 30 digitized pictures of the European-Indian relationship in the 17th-19th centuries. NTSC only. \$79.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SS-954 Making our Constitution

Information is provided on four disks concerning this great drama and its leading players as events unfold 200 years ago between May and September of 1787 at what is now called Independence Hall on Philadelphia. NTSC only. \$79.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SS-955 Transcontinental Railroad

Learn about the building of the Transcontinental Railroad (1865-1869), one of the great human engineering feats in recorded history. The program uses digitized pictures created from photographs taken during those times. NTSC and PAL. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SS-956 Introducing Maps

Using 20 digitized pictures, this program provides basic introductory information about maps. Topics include what maps are, seeing with maps, symbols, directions, compass directions, map legends and scales, oceans/seas/gulfs/bays/

straits, salt and soil, continents and hemispheres, in both the east and west, guidelines for finding places, latitude and longitude, degrees of latitude, lines of longitude, strengths and weaknesses of flat maps, rough surface, a changing surface, weather, climate, and the development of American mapping. NTSC only. \$59.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ♦ ♦ ♦ LOGIC ♦ ♦ ♦

### ● BlackBox

Hide up to eight atoms somewhere inside a rectangular 8x8 grid. Shoot high energy particles into the sides of the BlackBox, see where they come out and try to find the correct positions of the higher atoms. Scoring depends on your speed and the number of shots required. Has full on-disk documentation. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### ● Dots 2

That classic dot game that is usually played on the backs of paper placemats in better eating establishments everywhere. Connect dots on a 7 x 9 grid. Be the one to place the last side on the square and claim that square for yourself. Plenty of sound and two-player tension/action. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### ● Idhan II

A classic marble game played on a cross-shaped playing field. The object of the game is to jump marbles in such a manner as to remove as many marbles from the playing field as possible. Great graphics. Play against the clock and other opponents to achieve the lowest number of marbles. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### Lessons in Reading and Reasoning

The complete five disk Reading and Reasoning series which teaches logic and reading by examining various fallacies. For a more complete description of the individual lessons, please refer to the separate listing below. \$149.95  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### Lessons in Reading and Reasoning I-IV

For grades 9 and up. Lessons in reading and reasoning teach logic and reading by examining various fallacies. Lesson 1 examines shifty-word fallacies and circular reasoning. Lesson two addresses fallacies of inadequate data and the red herring fallacy. Lesson three examines stereotyping. Lesson four examines sexism fallacies and proverbs. Lessons I, II, and III are \$39.95 each. Lesson IV, two disks, is \$59.95.  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### The Logic Master

Helps develop high-level thinking skills in analogies and number series. Includes fantasy role playing game. Grades 5-12. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818*

### ● Traversal

Amiga version of 3M box game, Twixt. Two players head for opposite sides of mountain top (really a hexagonal grid) trying to be the first to create a complete and unbroken path of flags from edge to edge. The setting is an unnamed mountain top somewhere in the Himalayas. But watch out for that flag eating Yeti! Handicapping allows for players of differing abilities to play with some uncertainty of the outcome. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## ♦ ♦ ♦ MATH ♦ ♦ ♦

### Adventures in Math

Adventures in Math is an entertaining learning game that reinforces basic math concepts for children ages 4-8. You must travel through a never-ending jungle, searching for wild animals that will take you to math challenges. The math challenges focus on specific curriculum objectives from kindergarten to first and second grade levels. Some of the concepts presented include number sets, 'more' and 'less', logical sequencing, number symbols, and addition and subtraction facts. Grade level and difficulty can be adjusted to match the child's current level. \$39.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

### Algebra I

Evaluate, plot, and simplify algebraic expressions. Work with functions, numeric expressions, geometric measurement, systems of equations, and radicals. Find roots and solve quadratic equations, linear equations, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### Algebra Word Problems

Even the brightest students can be baffled by word problems. Problems are made clear with these programs, since each wrong answer draws a step-by-step explanation to help students with algebraic solutions to mathematics problems. Ten programs on one disk, graded in difficulty. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### Arithmetic

Educational programs for studying and reviewing topics in arithmetic. Includes fractions, percent, square roots, metric system, and more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### Balancing Act

The learning objective is to be able to check a bank statement for errors through addition and subtraction. The student views a checkbook that includes deposits and withdrawals. Errors must be identified. Accuracy and speed are the factors that will either elevate the player to bank president or land him in unemployment. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### Calculus

Educational program covers general topics in calculus. Includes graphing and a routine to perform symbolic differentiation on any  $y=f(x)$  function. Display formulae for multiple derivatives, and plot the function and its derivatives on single graph. Topics include limits, tangents to a curve, minima and maxima, area under a curve using approximation methods, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### Decimal Dungeon

Escape the dungeon master by answering math decimal problems. Age 9 and up. Full-screen explanations are given for incorrect answers. Choose to add, subtract, multiply, divide decimals or to convert them to percents or fractions. Arcade-style game with each player on his or her own difficulty level. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818*

### Discrete Mathematics

Educational foundation for introducing computer science. Construct truth tables, Venn diagrams, build binary trees and do binary searches, and compare sorting algorithms under different conditions. Includes True BASIC source code. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### ♦ ● FlashBlaster!

Alternative arcade style approach to learning flash card math. High quality digitized sound and animation effects maintain childrens' interest and make learning math basics a pleasure. Recommended for pre-kindergarten to Grade 6.

Requires 1MB, AmigaDOS 1.3 or 2.0. \$49.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297*

### Fraction Action

Escape the mad professor by answering math fraction problems. Incorrect answers lead to full-screen explanations. Age 9 and up. Arcade-style game for one or two players with each in his own difficulty level. Choose to add, subtract, multiply, or divide fractions. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818*

### Fraction Concepts

There are four programs on this disk. They teach the primary concepts and skills needed to work with fractions. Topics include writing proper and improper fractions and mixed numbers, identifying equivalent fractions, and reducing fractions. NTSC only. \$79.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-903 Medal Winner

Grades 4-8. Arrange digits of two numbers to produce the highest product. Create a multiplication problem with three digits (four digits in the advanced level) that will produce highest product. Teaches logic as well as multiplication. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-904 Sum-It Mountain

Grades 1-8. Success depends on the student's ability to add numbers rapidly. Carry a flag to top of mountain; mistakes return you to the bottom. Clock records climbing time. Brings students to the 'peak' of successful addition! NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-909 Pinball I.Q.

Grades 3-8. Division lessons combined with a video pinball game. Find the whole number part of a quotient in division. Correct answers light up bumpers on a pinball machine and build up score. Game ends when all numbers are lit. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-921 First Year Algebra

Learn on a step-by-step basis how to develop skills for solving algebraic equations with emphasis on arithmetic properties. Acting as your personal tutor, the Amiga will teach you what you should know about basic algebraic equations, binomial multiplication using the FOIL method, monomial and binomial factoring procedures, binomial squared factoring and completing the square. NTSC only. \$99.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-922 Algebra: The Computer/Textbook Connection

Enter any equation of your choice. Let your Amiga show you step-by-step how to solve it. Will automatically fit any algebra textbook. NTSC only. \$99.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-928 Numbowl

Grades 3 to 9. Work with three digits and two operations to create an expression that is as close to 30 as possible. As in bowling, there are ten turns or frames. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-930 Parting Shots

Grades 4 to 9. Compare one set of objects to its whole, as a fraction, and reduce that relationship to lowest terms. There are three levels of play and ten turns. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### MA-932 Math Golf

Grades 4 to 9. Produce a result as close to one as possible from a three-number expression of two operations. A golf game format is used. NTSC

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only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-936 Number Jumper

Grades 1 to 8. View a group of single-digit addends for a limited time and recall the sum. With each success, a jumper hurdles the numbers. Multiples can be studied by using identical addends. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-938 Caterpillar 500

Grades 2 to 8. Solve simple whole-number equations that include multiplication and either addition or subtraction. A game format is used in which a caterpillar speeds around an oval in an Indy 500-type race. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-943 Last of the Ninth

Grades 2 to 8. Find the product of two numbers, one of which could be a two-digit number. A baseball game format is used in this multiplication exercise. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-944 Slam Dunk

Grades 1 to 8. In a timed exercise, identify as many basic facts as possible from the operation of the learner's choice. For each correct fact, a basketball player swishes the net with a long shot. A slam dunk takes place as a super bonus for five right answers in a row. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-948 Pail Green

Grades 4 to 9. Given one fraction and either the numerator or denominator of another, you name equivalent fractions. This program can also be used in a unit on ratio and proportion. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-953 On the Line

Grades 4 to 9. Name improper fractions as mixed numbers, and visa versa. Football jerseys illustrate the theme. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-954 Branded

Grades 3 to 9. Name, as a fraction, the relationship of a part to its whole. Cattle, some branded, graphically highlight the point. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-967 Sum Fun

Grades 3 to 8. Position single-digit numbers in a 4 x 4 grid to maximize the sums of certain rows and columns. Skill prevails over luck in this lesson game that can be played by an individual or an entire group using game sheets. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-993 Figuring the Angles

Grades 4-9. Estimate with increased accuracy, the size of acute and obtuse angles. There is a game theme related to golf in which the goal is to better par. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-998 How-To Addition

Grades 1-8. Add whole numbers by column, with regrouping or no regrouping. Lessons with 14 option levels can be tailored to the student's individual needs. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-999 How-To Subtraction

Grades 1 to 8. Subtract whole numbers by column with regrouping. Lessons with eight option levels can be tailored to the student's individual needs. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Maple V Computer Algebra System

Maple V delivers a completely new graphical user interface with 3-D color graphics. Maple has an extensive library of more than 2000 procedures common to many scientific and engineering applications. This software provides a complete mathematical environment for both symbolic algebraic expressions and arbitrary-precision numeric arithmetic. Natural, easy-to-use operations are provided for polynomial manipulations, differentiation, definite and indefinite integration, solution of equations, and other operations. Supports A1000, 2000, 2500, and 3000. Requires AmigaDOS v2.04, 2MB RAM, and 8MB disk storage. \$450.00  
*Waterloo Maple Software, 160 Columbia Street West, Waterloo, Ontario, Canada N2L 3L3, (519) 747-2373*

## Mark's MathLab

Can be used by high-school or college math student for many applications including electronic chalkboard for demonstrations of functional behavior in two or three dimensions, engineering design and analysis, or pure experimental fun. Parser recognizes 34 built-in math functions. Requesters filled with default values, up to 30 constants per expression, function requesters up to 150 or 225 characters, plotting of one variable in Cartesian or Polar, wire frame solids of revolution with one or two functions, function plotting and tables, perspective, orthographic, and contour map graphing, hidden surface removal, as well as asymptotic behavior detection control. Requires 1MB, AmigaDOS 1.3 or 2.0. \$49.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297*

## Math 1

Expansion Disk for Discovery basic four-function math drills for grades 1-7. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Math Blaster Plus

Math Blaster Plus contains five motivating learning activities covering over 750 basic math facts. The program covers more subject areas than other math programs: addition, subtraction, multiplication, division, fractions, decimals, and percents. An exciting arcade-style game motivates children to learn, while an optional record-keeping feature monitors students' progress. A printed Certificate of Excellence rewards outstanding scores. \$49.95  
*Davidson & Associates, Inc., P.O. Box 2961, Torrance, CA 90509, (800) 556-6141*

## Math Concepts

Expansion Disk for Discovery grades 9 through 12. Prepare for SAT's, practice problems in algebra, geometry, trig, and more. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Math Doctor

Teach all basic math functions just as the schools do. Whole numbers and fractions, decimals too. Use borrows and carries just as you would on paper. Easy to use graphics interface with speech and positive reinforcement. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## Math Odyssey

Math in a puzzle format. Math questions are asked. You select the answer. When completed, put together a puzzle. Score is kept for the 10 best players. \$49.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

## Math Wizard

Four educational math games for one or two players, ages 5-13. Talking program with several skill levels. Add, subtract, multiply, divide, or learn how to do word problems. Players can practice math together with each on his own difficulty level and mathematical operation. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Ste I, Las Vegas, NV 89119, (702) 597-0818*

## Math-A-Magician

Add, subtract, multiply, or divide fractions or whole numbers. Play, practice, and learn. Features graphics and speech. \$39.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

## MathVision

Math Vision is a tool for scientific and mathematical visualization. Feature data-input/graphics-output, HAM, overscan, half-brite, ARexx, image processing, math coprocessor support through IEEE, hook to access external programming, and a wide variety of additional functions, including animation and print capabilities for pictures and paint formulas. \$197.00  
*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368, (206) 385-1956*

## Mathasaurus

Ages 3 and up. Mathasaurus is an action adventure game, that kids can actually play, learn addition, subtraction, and expand their minds. Real digitized voice sounds, Babysaurs, Aliens, Dragons, and much more make it arcade fun. \$24.95  
*Cancor, 14 Garrard Rd., Whitby, Ontario, Canada L1N 3K3, (416) 434-4247*

## Mathasaurus II

Ages 3 and up. The Babysaurs are troubled again. It is up to you and your hero to retrieve the antidote and save the Babysaurs from total disaster, in this action-adventure game. Mathasaurus II is ready for you. Basic 2-digit numbers involve addition and subtraction, to aid in your child's mathematical development. Entertaining and educational software for those very important people: the kids. \$24.95  
*Cancor, 14 Garrard Rd., Whitby, Ontario, Canada L1N 3K3, (416) 434-4247*

## MathsMaster

Australian Maths educational package for Grades K to 6 for Commodore Amiga. Observes arithmetic procedures used in Australian schools and includes graphics and sound featuring popular Australian animals. Provides three levels to cater for developing skills. \$39.00  
*Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia, (011) 616-239-6658*

## Maxi Taxi

Grades 4-9. The learning objective is to determine maximum earnings in a work situation by relating time to money. The student earns as much as possible per hour as a taxi driver. Potential is based on the rate and the time each ride consumes. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Parking Lot

Grades 4-9. The learning objective is to make the greatest business profit by applying the law of supply and demand. The student attempts to fill all the spaces in a parking lot by charging the highest monthly rate that the traffic will bear. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Pre-Calculus

An introduction to calculus and trigonometry. Educational programs for plotting and comparing functions, manipulating range. Solve triangles, learn polar coordinates, overlay functions on same graph or manipulate range. Solve triangles using SAS, ASA, SSS, and SSA methods. More. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## Probability Theory

An introduction to probability theory and decision-making processes. Simulate coin toss, dice throw, and random walks. Introduce normal and poisson distributions and the Central Limit Theorem, Bayes Probabilities, Markov Chains. Many useful examples like gambler's ruin, Galton Box, birthday problem, and craps. Tools for Venn diagrams, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*



## Scare City Motel

Grades 4-9. The learning objective is to maximize business earnings by equating supply with demand. As a motel owner, the student's goal is to make the highest profit. If there are more customers than rooms, rates can be raised. If too many rooms are empty, rates should be lowered. The learner's business skill is evaluated. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Space Math

An out-of-this-world way to learn math for children ages 8 and older. The object is to maneuver your space craft through outer space to land on alien planets. Earn points for correct answers and perfect landings. Eight levels of play and 27 possible difficulty settings. \$14.95  
*Intracorp, Inc., 14540 SW 136th St., Ste 204, Miami, FL 33186, (800) 468-7226*

## The Enchanted Cash Register

A great way to teach children about money. Run an imaginary or real store. Figure totals and change due. Keep an inventory list with prices and descriptions for easy use. Fun graphics interface to make learning fun. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## The Math Advantage

Talking elementary math tutorial. Has 10 levels through simple division. Incorporates techniques designed to teach Learning Disabled students. Repetition, speed drills, sequencing, and immediate, positive corrective feedback target development of short- and long-term memory. Includes game reward, Equation Invasion. Recipient of Award of Merit from Johns Hopkins University National Search for Computing to Assist Persons with Disabilities. The elementary math tutor for ALL students. Requires 512K. \$29.99  
*ISOM Software, 2614 Bowling Green Drive, Vienna, VA 22180, (703) 849-1838*

## Trigonometry

A general-purpose software tool which can be used to illustrate concepts in a trigonometry course, or advanced algebra with a trigonometry unit. Solving triangles, roots of functions, combining functions, trigonometric identities, and polar coordinates, with a choice of radians or degrees for examples. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## TrueSTAT

Educational programs use an interactive approach to introduce statistical analysis. Many topics. Features built-in editor and syntax. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## ❖ X-It

A two-dimensional game designed to increase a student's familiarity with the Cartesian co-ordinate system. Two randomly chosen lines of differing slopes intersect within an 11 x 11 grid. The purpose of the game is to find the intersection of the lines. Four different colored marbles are hidden within the grid such that each color is wholly contained within one of the four quadrants created by the two intersecting lines. Clicking on the grid reveals a colored marble. Score is based on the number of seconds and marbles used. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## ❖ ❖ ❖ MUSIC ❖ ❖ ❖

### Fun Keys

A educational music program allows your children to play beautiful music with your Amiga. With Fun Keys, your keyboard becomes an electronic organ. You can play different sounds and instruments on the keyboard while Fun Keys accompanies you with one of 18 different background beats. You can record your music, play it back, or change the speed of the beat. Ages 4 to adult. \$24.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

## Music of Asia

Volume One in a series. Each volume uses a control-panel interface with book-like features: contents, glossary, user-controlled page-turning, and page-skipping. The first volume, *Gagaku*, presents the history and theory of 'elegant music' at the Japanese Imperial Court. Three-disk set, with over 15 minutes of music. \$34.95  
*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751, (512) 452-2441*

## Take Note

Take Note is ear/sight training for musicians. It helps you develop your aural recognition skills with a flexible set of drills covering everything from single pitches to over 30 scales. Take Note gives you a better understanding of what you hear by allowing you to enter and view musical forms on the staff, for piano and guitar. \$79.95  
*Take Note Software, 285 Divisadero #3, San Francisco, CA 94117-3226, (415) 431-9495*

## ❖ ❖ ❖ SCIENCE ❖ ❖ ❖

### All About Whales (story diskette)

Fun and informational story all about whales. Learn different types and classifications of whales. What they eat and where they live, plus much more. For use with Talking Storybook reader diskette. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

### Astronomy Disks

User-written astronomy and space-science public domain and shareware software collection. Send SASE requesting Amiga catalog. \$4.00  
*Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646*

### ❖ CoreWars

An implementation of the CoreWars system environment as published by A.K. Dewdney in Scientific American's 'Computer Recreations'. In the CoreWar system, two programs are written in a language called RedCode, which consists of eight simple instructions. The two programs are compiled and placed together inside the computer's 'Core'. The object is for each program to seek out and disable the other program causing the other to cease running. This system includes the assembler, the run-time system and full on-disk documentation. This can be used in a computer science class as an introduction to machine/assembly language. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### ❖ Distant Suns Expansion Disk-Big Stars on Demand

250,000-star NASA skymap. 28-disk set. Hard disk required. \$145.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### Distant Suns Expansion Disk-Deep Sky Objects

Deep Sky Objects shows 213 scanned observatory images of galaxies, nebulae, and star clusters. Most of the objects from the Messier Star Catalog are included, as well as over 1200 NGC (New General Catalog) objects. Point and click to an obscure pinprick of a star and see a detailed photograph of how it looks to professional astronomers using high-powered visual instruments. Black and white images displayed in a box similar to 'telescope' mode in Distant Suns. Installable on hard disk. See Distant Suns in Education category. \$30.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### Distant Suns Expansion Disk-Sky Map Level 1

Sky Map adds more than 20,000 additional 'Distant Suns' to your sky. The data for these stars, such as location, luminosity, etc. was taken directly from NASA's own deep-star catalog, which is comprised of relevant information on over a quarter-million stars. Skymap includes the brightest stars from the catalog, or those with magnitudes of 7.25 or brighter. The result is visually gorgeous. Data can also be displayed about

these stars. Hard disk installable. Two-disk set. See Distant Suns in Education category. \$25.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### Distant Suns Expansion Disk-Yale Bright Catalog

Yale Bright Star Catalog adds 9,100 more stars to your Distant Suns sky, which already has more than 2,200. The user is able to pull up data on more than 7,000 of these stars. Hard disk installable. See Distant Suns in Education Category. \$18.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### I.C.E. Integrated Calculation Engine

Programmable calculator construction system. Design customized calculators which are fully programmable and include an integrated program editor. Over 50 advanced functions are included supporting math, engineering, scientific, logical, trig, statistical, and financial operations. Additional functions can be user programmed. Alternate key sets on each calculator allow binding of complex formulae to single keys. Hex, decimal, and binary systems are supported. Graphic plotting window with scalable grid for visual data analysis. HOT KEY activation of calculators. Fully Intuition-compatible for multitasking versatility. Example calculators and programs included. \$49.95  
*King Publishing, 1200 Treadway #226, Austin, TX 78704, (512) 448-2414*

### Physics of Motion

A tutorial and self-study guide of mechanics with interactive problem solving. \$49.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337*

### ❖ RangeFinder

This is an AmigaVision multimedia physics lesson on projectile motion, recoil velocity, and the force of friction. After instructions and demonstrations of the effect of muzzle velocity and cannon angle on a cannon ball's trajectory, the students are presented with a wide-angle view of a landscape, a cannon, and a target. The students try to hit the target by adjusting the cannon angle and ball velocity. Requires AmigaVision, 3MB RAM and about 2MB available on a hard drive. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### SC-928 Blood Bank

Grades 5 to 9. Increase the supply in a blood bank by mastering a set of basic terms about the human circulatory system. If responses are wrong, or a review is requested, the supply is depleted. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SC-929 Explorer's Digest

Grades 5 to 9. Display your mastery of a set of basic terms about the human digestive system and help Lewis and Clark expedition reach its destination. A map charts the course of the expedition. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SC-930 Second Wind

Grades 5 to 9. Run a four-minute mile by displaying your mastery of a set of basic terms about the human respiratory system. Graphics are included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SC-931 Salvage

Grades 6 to 9. Demonstrate your mastery of a set of basic terms about the human excretory system. The learner is portrayed as the operator of an aluminum recycling center. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SC-932 Sunnyside Up

Grades 6 to 9. Become a successful egg farmer by demonstrating mastery of a set of basic terms about the human reproductive system. The more you know about reproduction, the more eggs your chicken will produce. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

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# Education

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## SC-935 Planet Probe

Grades 3-9. Teaches facts about the solar system through an arcade-style space simulation. Learn about planets and build up fuel supply as you attempt to land space ships safely on nine planets. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## SC-955 Save the Whales

Grades 4 to 9. Guide the whales through pirate waters to safety by displaying your knowledge about them. The program uses a game format. NTSC only. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Science Expansion Disk for Discovery

Grades 9-12. For education or SAT preparations. Covers general science. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Small

Simulated Mini Assembly Level Language is an assembly language consisting of 20 easy-to-understand and use mnemonics (LDA, STA, REM, JSR, RTS, ADD, CMP, etc.). Small uses a fully intuition-driven interface for entering, running, editing and all other functions. The main screen simulates a calculator keyboard where all functions are selected by clicking on the appropriate buttons. On-Line help is available at any time via menu selections. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## Solar Ephemeris 2.0

Package determines the position of the sun and calculates the angles of the shadows that it casts. This information is essential to those who are involved in projects that utilize solar energy, for conservationists. A variety of printout options are provided, to satisfy the specific requirements of users. \$39.95  
*AusTechnoCorp, c/o Moore College, King Street, Newtown NSW 2042, Australia, (011) 612-516-3723*

## Solar System (story diskette)

Another talking story for the Talking Storybook. Children learn about the planets in the solar system through graphics, text, speech, sound, and music. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947*

## SortMaster

This program provides discussion and illustration of the bubble, Replacement, Delayed Replacement, Shell, Heap, and Quick sorts. Textual material describing each sort may be displayed and a dynamic graphic representation of the data is updated continuously as the selected data is being sorted. On-screen graph displays efficiency of the various sorts as the number of items being sorted increases. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## Voyager, The Dynamic Sky Simulator

A powerful astronomy program that simulates a planetarium on the Amiga, but with far more freedom, accuracy, and flexibility. It creates a dynamic sky of stars, planets, galaxies, and constellations. Its intuitive interface encourages playful exploration. Follow the changing positions of the planets, or witness the wonder of a total solar eclipse. Comes with a database of 11,000 objects which can be extended to about 250,000 objects. Additional data extensions will be available in the future. Requires 1MB, two disk drives, AmigaDOS 1.3 or 2.0. It does not require a math coprocessor. \$124.95  
*Carina Software, 830 Williams Street, San Leandro, CA 94577, (510) 352-7332*

## SOCIAL STUDIES

### ED/SS

Social Studies Expansion Disk for Discovery politics, religion, population growth, and more. For grades 9 through 12. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

### ED/SS-909 Social Studies Vocabulary

SS-909 Helps students develop a useful vocabulary in the area of social studies. Social studies vocabulary is elementary level. Social studies vocabulary in farming, forest, desert, ocean, manufacturing, trading, and political fields. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### How a Bill Becomes a Law

The student becomes a Congressperson trying to get a bill passed in the U.S. Congress that would require a Jonathan apple to be included in every federally financed school lunch. The object is to accomplish this goal without jeopardizing the player's political career. The student must make decisions on moral and strategic issues and bargain for support. Seven possible outcomes enhance student understanding of political compromise and present the conflict of ethics versus political success. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### SS-950 Christopher Columbus

This year, Americans will mark the 500th anniversary of Columbus's first voyage to the New World. He was not trying to get there. Neither Columbus nor anyone else in the Old World knew it even existed. He thought he had reached China. This careful account will acquaint you with what is known about the basic facts of Columbus's life, including his three other voyages to what we now call the Americas. Includes on-screen maps that will show you where he went, and why. Two disks: NTSC and PAL. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### SS-960 Women in Ancient Greece and Rome

This is a book-with-software approach to instruction. Both the book and the software may also be used independently of one another. The teaching strategy features Mastery Learning. NTSC and PAL. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### The United Nations: An Introduction

An introduction to the United Nations and its affiliated organizations. Designed for grade school age children as an introduction to the U.N. Ideal for children from grades four through eight. Multimedia application. Requires 1MB of memory, AmigaVision, and hard disk. \$49.95  
*CreativeEdge Systems, 1436 N. Prospect, Ypsilanti, MI 48198-3067*

## TEACHING AIDS

### AU-901 CLAS Computerized Lesson Authoring System

For those who wish to create their own interactive teaching lessons, but have no programming skills. CLAS has the answer: Tell the Amiga what you want and let it write the program. CLAS lets you write imaginative programs that utilize all the Amiga's capabilities. You can use the digitized picture screens, add voice and music, and custom-design all your programs. CLAS contains English, German, Spanish, and French alphabets. NTSC and PAL. \$129.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### Barney Bear Goes Camping

Barney Bear Goes Camping is a fun, educational, and learning game for children ages 2-6. The game is filled with graphics specially designed to interest young children. It includes a story, a maze game, connect-the-dots, shadow game, coloring book, the ability to create a slide show, and more. Requires 1MB. \$34.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

### Barney Bear Goes to School

Barney Bear Goes to School, a musical, colorful learning game for children ages 2-6, contains counting games, letter games, colors, shapes, and a coloring book program with over a dozen pictures. See CDTV section also. \$34.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

### Barney Bear Goes to Space

Barney Bear Goes to Space, a learning game for children ages 2-6, introduces the concepts of the planets, the sun, gravity, and space travel with stories, games, graphics, and animation. \$34.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

### Barney Bear Goes to the Farm

Barney Bear Goes to the Farm, a learning game for children ages 2-6, contains short 'I can read' stories, a scarecrow with interchangeable heads, torsos, and legs, a coloring book program, a 'What belongs' game, and of course, lots of graphics, sounds, and music. \$34.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

### Barney Bear Meets Santa Claus

Barney Bear Meets Santa Claus, a learning game for children 2-6 contains a memory game, a mix-up-the-parts toy machine, and a coloring book program. \$34.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

### EZ-Grade v1.2

EZ-Grade is a complete class management system for maintaining grades, attendance, student information, and more. View your data graphically and choose from a wide selection of printouts. Requires 1MB. \$59.95  
*Integral Software, 9535 Wessex Place, Louisville, KY 40222, (502) 425-3948*

### Talking Turtle

Teach yourself LOGO! An introduction to Amiga LOGO for teachers and parents. No previous knowledge of LOGO is required with this step-by-step approach. You have the opportunity to experiment, and examples to study. Includes disk and manual with examples, suggestions for classroom activities, and avenues for further exploration. Develop problem solving skills of deductive reasoning, task analysis, and functional decomposition. Explore shapes, patterns, angles, fractals, headings, recursion, and coordinates. \$40.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

### Teachers Toolkit V 1.0

Comprehensive system for teachers in all grades. Has built in gradebook, lesson planning, text editor, Rolodex, and calendar system. Also implements line and bar graph routines for student comparison charts. \$54.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## TEST PREPARATION

### Analogies I

Students will improve aptitude test scores as they learn how to analyze and solve analogies with a step-by-step approach. Package includes tutorial (step-by-step) and drill (remediation on all wrong answer) disks. \$65.00  
*Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

# Education

## AUDIO GALLERY



### Talking Picture Dictionaries

SPANISH \* GERMAN \* CHINESE \* JAPANESE

- \* All Words and Phrases Fully Digitized Speech
- \* Includes Dictionary, Pronunciation Guide and Quizzes
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(703) 820 1954

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### Analogies II

Designed to help prepare students for the analogies section of college aptitude tests. \$65.00  
Queue, Inc., 338 Commerce Drive, Fairfield, CT  
06430, (800) 232-2224

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Excellent practice and training for all high-school or near high-school grade level readers. Also helps prepare for college aptitude tests. Three disks. \$65.00  
Queue, Inc., 338 Commerce Drive, Fairfield, CT  
06430, (800) 232-2224

### Language Expansion Disk for Discovery

Speech, grammar, vocabulary, communications, and much more. Prepare for SAT's. Requires Discovery program disk. \$19.95  
MicroIllusions, P.O. Box 3475, Granada Hills, CA  
91394, (310) 822-9200

### Preparing for College Boards

Extensive tutorial for aptitude tests covering analogies, antonyms, reading comprehension, sentence completion. Requires 256K, 512K recommended. \$60.00  
Intellectual Software, Division of Queue, Inc., 338  
Commerce Drive, Fairfield, CT 06430, (800) 232-  
2224

### Sentence Completion

Reading comprehension exercises help students improve scores on sentence completion items on college aptitude tests. The program provides numerous examples and practice exercises which strengthen the ability to solve sentence completion problems. \$34.95  
Queue, Inc., 338 Commerce Drive, Fairfield, CT  
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### StudyWare for the GRE

Twenty-two different GRE topics will be covered with hundreds of on-screen questions, two Studyware and two Cliffs Notes full-length exams, and complete on-screen explanations for correct and incorrect answers choices. Features include true math symbols, graphs, and hints on-screen. A handy on-screen glossary will be available with a keystroke or mouse click. For keeping track of your improvement, progress reports and charts that can be printed out can be generated at the end of each test. Requires A500, 2000, 2500, or 3000; two floppy drives or one floppy and a hard drive; 512K RAM; Workbench 1.3 or higher. \$49.95  
Cliffs Notes StudyWare Corporation, 48515 16th  
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Twenty-nine different SAT topics will be covered with 860 on-screen questions, two StudyWare and two Cliffs full-length exams, and complete

on-screen explanations for correct and incorrect answer choices. StudyWare for the SAT will also feature true math symbols, graphs, and hints on-screen. A handy on-screen glossary will be available with a keystroke or mouse click. For keeping track of one's improvement, progress reports and charts that can be printed out can be generated at the end of each test. \$49.95

Cliffs Notes StudyWare Corporation, 48515 16th  
St., Lincoln, NE 68512, (402) 423-5050

## ♦ ♦ ♦ TYPING ♦ ♦ ♦

### Mavis Beacon Teaches Typing

Want to learn how to type? We have the answer. Our award-winning program customizes the perfect typing course to your individual needs with the help of true Artificial Intelligence. You learn fast with the world's finest typing instructor at your side every time you practice. Mavis makes learning interesting and fun! With lessons and games that teach. \$49.95  
Software Toolworks, The, 60 Leveroni Court,  
Novato, CA 94949, (415) 883-3000

### Typing Tutor+

Word Invaders Typing tutor/game. Typing Tutor+ teaches touch typing. Word Invaders uses games to teach typing techniques. Blast the invading words out of the sky. Game speed, selections for beginner to advanced. \$34.95  
Academy Software, Inc., P. O. Box 6277, San  
Rafael, CA 94903

### FASTFACTS Trio: The United States, The Solar System, & The Elements

United States: A United States map with point and click access to detailed information on all 50 states. Also includes U.S. Constitution and Declaration of Independence. Solar System: A view of the solar system with point and click access to detailed information on the sun, asteroids, planets, and their moons. Element: A colorful periodic table with point and click access detailed information on each of the 106 elements. Soon to be shareware. \$15.00  
BTPSoftware (see also Jumpdisk), 3515 Race Lane  
Road, Okeana, OH 45053

### Fun School 3

Fun School 3 for the Under 5s consists of six educational activities that help to develop many skills including number, shape, and word recognition. Your child can learn at his/her own pace. Beautifully-created pictures, stunning animation and exciting sounds make learning fun and effective. Three packages, each with a suite of six multilevel programs. Each program is aimed at different age groups: under five, five to seven years, and over seven. There are several levels of difficulty in each activity. A parent-teacher's guide is included. See CDTV section. \$49.95  
Europress Software, Europa House, Adlington Park,  
Macclesfield, Cheshire, England SK10 4NP, (011)  
4462-585-9333

### Fun School 5 to 7s

The five to seven pack follows the under 5s successful formula of six educational games, each with several levels of difficulty, covering all the children's favorite subjects. These help develop many skills including number and word skills at a child's own pace. The games are Toyshop, Electricity, Collect, Funtext, Time, and Journey. Beautifully, created pictures, stunning animation and exciting sounds will keep children coming back for more again and again. \$49.99  
Europress Software, Europa House, Adlington Park,  
Macclesfield, Cheshire, England SK10 4NP, (011)  
4462-585-9333

### Magical Myths

Three stories with graphics, glossary, and questions. Several games, mini-word processor. Ages 8-12, one to two players. Helps build important vocabulary and comprehension skills while learning about the wonders of the ancient Greek myths. Uses speech. \$49.95  
Unicorn Software Company, 6000 South Eastern  
Ave., Building 10, Ste 1, Las Vegas, NV 89119,  
(702) 597-0818

### Memory Challenge Series #1

Education game for ages 3 and up. Helps teach memory recognition, retention, and recall. First

match all pieces, then put puzzle together. Configurable by parents with built-in editor. \$39.95

TTR Development, Inc., 6701 Seybold Rd., Ste. 220,  
Madison, WI 53719, (608) 277-8071

### My Paint

A paint program just for kids! Offers children an easy, fun introduction to the Amiga by painting on the screen with the mouse. Features animated icon drawing tools, various brush types, an 'undo' function, and 28 pre-drawn pictures to color in, like a computerized coloring book! Each picture has a sampled sound to accompany it. 'Reveal Surprise Picture' mode lets any child draw a perfect picture or the child (or adult) can draw his or her own picture-perfect masterpiece. Designed for children, but fun for all ages! Requires 512K and one drive. \$49.95  
Centaur Software, Inc., P.O. Box 4400, Redondo  
Beach, CA 90278, (310) 542-2226

### SA Enhancer Kit

Those SA Host Adaptor owners who want to protect their investment will want this latest firmware/software revision for their controller. Kit includes version 34.8081 upgrade ROMs and the latest version software drivers. Instructions for installation included. For SA series Host Adaptor with ROM version number lower than 34.808, any version operating system. \$34.95  
Comspec Communications, 74 Wingold Ave.,  
Toronto, Ontario, Canada M6B 1P5, (416) 785-  
3553

### Trivia 1 Expansion Disk for Discovery

Trivia categories include Nobel Prize winners, sports, and famous quotes. Discovery program disk required. \$19.95  
MicroIllusions, P.O. Box 3475, Granada Hills, CA  
91394, (310) 822-9200

### Trivia 2 Expansion Disk for Discovery

Trivia categories include movies, space travel, and famous people. Discovery program disk required. \$19.95  
MicroIllusions, P.O. Box 3475, Granada Hills, CA  
91394, (310) 822-9200

### WallyWare Cryptograms

Based on the simple-substitution cipher, Cryptograms challenges players to decode short messages, often a witty or humorous quote from a famous person. Its unique word processor-like interface coupled with an array of menu functions create an ideal platform for creating or solving cryptograms. Supports ACA standards. PAL, NTSC, 1.3 and 2.0 compatible. \$39.95  
WallyWare, 1324 Parkwoods Terrace, Midwest  
City, OK 73110, (405) 733-2768



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## ❖ BUSINESS & HOME ❖ PRODUCTIVITY GENERAL

### ● ACE/Automated Catering Environment

ACE v3.0 comes with 140 professional catering recipes and also includes The Celebrity Cookbook, Vol.1. The program combines a smart database, word processing, and spreadsheet package in one program module. Recipes may be resized from one to 9,999 servings using both American and metric measures. The word processor database expands to the user's memory and can hold files over 100 pages in length. Features include wordwrap, margin settings, address or index card printing (labels), search/replace, margin settings, cut and paste and full disk search of file contents. ACE contains 16 expandable food groups and six expandable wine guides. It also includes on-disk instructions with multiple help screens, an import and export module, and the ability to print multiple copies, ingredient lists, stock summaries, address labels or index cards; stores one year of sales. Available for all Amiga systems. Requires 1MB. Also supports AmigaDOS 2.0. \$79.95  
USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-9060

### Animations by Kati

Many titles are available from this remarkable Artist/Animator to add new life to your Special Event videos. Twenty floral motifs for your Intros, three Cocktail Hour, eight heart designs, twinkling stars, confetti, balloons, stained glass window, Star of David, Candle Lighting Ceremony, and 18 different locations animations for Honeymoons. All animations were created in hi-res eight or 16-color modes and may be played back using any standard Amiga ANIM player. Demo tape is available in VHS format for \$15. \$25 to \$75 each. Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110

### ◆ Business Card Maker

Puts you in charge of your business card. Easy to use; no special artistic ability required. Choose the Logo (Icon) that you want to use on your card from the many prestored Logos included with the program, or use the complete Icon maker to design your own. You can also select type style, size, and placement. Store hundreds of card designs for later use. Program supports many printers. Requires 512K and Kickstart 1.2 or higher. Intracorp, Inc., 14540 SW 136th St., Ste 204, Miami, FL 33186, (800) 468-7226

### Charts&Graphs

Charts&Graphs provides the user with a weapon in the daily battle of communicating complex ideas. Charts&Graphs gives the user access to over 45 different charts. There are line, column, bar, pie, and text charts. Charts can be combined to produce compound charts. Charts can be 2-D or 3-D. Import data from spreadsheets; output charts to preferences and PostScript printers. Save

charts as PostScript and IFF files; import charts into Amiga DTP and word processing software. \$99.95

TRSL-Technical Resource Systems Laboratory, 3950 Koval Lane, Ste. 3049, Las Vegas, NV 89109, (702) 737-0880

### ● DataEasy v1.4

DataEasy is a very easy-to-use Database program with a point and click user interface. Each record, out of a maximum of 32,766, must fit on a screen. DataEasy will dial the phone, speak the contents of a record, sort, print records and form letters, and even let the user redefine the database. Each field can be several lines long. Both random access and sequential database files are supported. The price includes AmigaBASIC Source Code. Requires 512K RAM, 1 disk drive, AmigaDOS 1.3. NTSC only. AmigaDOS 2.0 compatible. \$120.00  
Bytes and Bullets, Route 3, Box 3532, Manchester, TN 37355, (615) 596-2077

### Flow 3

Idea processor. Let your ideas flow without restriction with this ingenious program designed to keep them organized. Flow lets anyone design and describe their creative efforts like never before. With a built-in outliner to give you major headings, multiple layers of subheads, and more, you can concentrate on your project and let Flow do the formatting. \$110.00

New Horizons Software, Inc., P.O. Box 164260, Austin, TX 78746, (512) 328-6650

### ● Freelance Escort v1.1

Designed for animators, writers, photographers, artists, video editors, consultants, and anyone else who sells their services. It is a complete management system which keeps track of client's needs, interests, appointments, special requests, payments made, and balances due. This completely integrated system creates and prints job contracts, customer receipts, sales tax reports. Jobs may be entered using both hourly or flat rate options. Tracking form prioritizes jobs, allowing user to view their status at a glance. All information of a variable nature such as company data, job pricing, and taxes can be modified by the end user. Requires 1MB RAM and a hard drive. Superbase Professional 3.02 and Superbase 4 versions available. AmigaDOS 2.0 compatible. Demo available. \$99.95  
Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110

### Gold Disk Office

A collection of five full-featured business applications that turn your Amiga into an integrated, easy-to-use, and highly productive office. The Office includes a word processor, database manager, desktop publishing program, spreadsheet, and business graphics program. In addition, the Gold Disk Office makes full use of Amiga multitasking, ARexx, and compatible file formats to provide a high level of integration and synergistic cooperation between programs. \$199.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### HyperBook

An application generator that simplifies the process of creating, developing, and using personal and business applications, as well as presentations and interactive learning 'books.' Text, graphics, pictures (IFF), and scrollable lists are quickly created and positioned on 'pages' that can be linked to other pages to make a 'book.' Ease-of-use and power make HyperBook a powerful tool for home, education, and business applications. \$99.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### ● InfoFile v1.2

Database program that can store and organize graphics and digital sound samples in addition to text and numerical data. Requires 512K, any Amiga model, and is Workbench 2.0 compatible. English, French, German, Italian, Norwegian, Swedish, Spanish, Danish, Dutch, Finnish, NTSC and PAL available. Uses foreign keymaps. \$69.95  
Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

### Inventory

This inventory management program is intended for people who want to keep track of things, where they are, how much they cost, when to reorder, and so forth. It is used in a multitude of different settings: restaurants, aircraft assembly factories, liquor stores, component manufacturers, etc. The program has modules which keep track of the orders and sales. When parts are received, the inventory is automatically updated. Similarly when something is sold, the appropriate item or items are removed from inventory. All updates show dates of the present update and of the last previous update. Program allows you to keep track of what is going on, hour by hour, where things are, where they are coming from, and where they are going. It's a simple common sense aid to efficient business practice. \$125.00  
Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### ◆ Mail-O-Dex Professional

A RoloDex, mail-merge manager, speed dialer, and label printer which directly supports most word processors. This version 3 now supports Iconify, multiple print styles, envelope printing, keyboard shortcuts, import/export capabilities, and much more. Workbench 2.0 compatible. \$39.95

KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034, (303) 490-2939

### ● MailBase Escort v1.0

MailBase Escort is a mailing list database which is specifically designed for merging multiple mailing lists into one list. It checks for duplication while importing, but it can also check your existing list for duplication at any time. Unique numbers are assigned to all list entries for subscription use. MailBase Escort will print mailing labels by any number of criteria including state, date, zip code, source file, or alphabetical section. Dot matrix or laser printers are supported. Requires Superbase 4, 1MB RAM and a hard drive. AmigaDOS 2.0 compatible. \$199.95

Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110

### ◆ Migraph OCR

Migraph OCR allows you to turn any scanned IFF or TIFF file into an editable ASCII file that can be loaded into a word processor or DTP program. Pretrained on 20 typefaces, Migraph OCR uses Omnifont technology, is trainable, and lets you define your own libraries of trained characters. NTSC/PAL. Foreign language support. Establishing foreign distribution for 1992. Requires 2.5MB RAM, hard disk. \$299.00  
Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003, (206) 838-4677

### ● NoteBook v1

Provides complete notebook capabilities: Text, vects, ellipse, lines, polygons, pages, tabs, IFF output, object-oriented drawing. Unique and useful tool for day to day jobs. Runs on any Amiga model, requires AmigaDOS 1.3 or 2.0. NTSC/PAL. \$29.95  
Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) 852-6442

### ● Personal Escort v1.0

Personal Escort is an address book, an appointment and event tracker, a mailing label printer, a

# Business & Home Productivity

telephone number directory, a Christmas card list maker, and more. Requires Superbase 4, 1MB RAM and a hard drive. AmigaDOS 2.0 compatible. \$29.95  
**Mr. Hardware**, P.O. Box 148, C.I., NY 11722, (516) 234-8110

## Personal Finance Manager

Personal Finance Manager provides an easy-to-use way of looking after your bank account, building society account, credit cards, etc. Its WorkBench interface allows transactions to be entered or altered as easily as filling out a form. The number of entries is limited only by the size of the memory. Account entries are automatically placed in date order. Features include auto balancing against statement, movable and re-sizeable windows, account printout, and more. Graphic analysis includes balance plot, budget comparison, and spend pie charts. \$49.95  
**MichTron**, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## Personal Information Manager

Use your Amiga to deal with all the countless pieces of random information such as lists, plans, notes, contacts, actions, ideas, schedules, finances, zip codes, area codes, addresses, client profiles, and much more! You don't need to be a programmer to use this personal information manager! You can easily plan projects and events, build a knowledge base and a database to hold all the information you can think of in the structure you choose. Requires 1MB RAM, hard drive, AmigaDOS 2.0 or 1.3. \$159.95  
**Unique Design Software**, P.O. Box 641, Shirley, NY 11967, (516) 281-1530

## Personal Video Librarian

Comprehensive video collection management system. Menu-driven, easy-to-use screens, fast, flexible retrieval, online help, powerful report writer, user-defined fields, notes. Retrieve by any field or combination thereof. User-definable categories. Custom-design your own reports and labels or use those included with PVL. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$75.00  
**Personal Database Applications**, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887

## PowerWorks

Bundle package consisting of MaxiPlan Plus 2.0, InfoFile, and Kindwords 2.0 (Spreadsheet, database, wordprocessor). Available in English, French, German, NTSC, and PAL. Requires 1MB, runs on A500, 1000, 2000, 2500. Amiga Workbench 1.3 compatible. \$199.95  
**Disc Company, The**, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

## Retail Escort v2.0

A complete point-of-sale system featuring customer database, supplier database, inventory control with stock balancing, order tracking with backorder function, mailing label printing, invoicing, and price quoting function. Our easy-to-use point and click interface allows the user to quickly complete a transaction with minimal effort. Inventory control system includes the ability to mark up items by percentage according to type with instant profit feedback, date stamp, and order point. A categorized price list creation function is included. Reports include sales tax reports, incoming COD's cash, check, or all, restock order list, supplier list, and more. Three levels of password protection prevent unauthorized use. All information of a variable nature such as company data, item types, percentages, pricing, and taxes can be modified by the end user. Requires Superbase 4, 1MB RAM and a hard drive. Cash drawer and Canadian Tax version available. AmigaDOS 2.0 compatible. Demo available. \$499.95  
**Mr. Hardware**, P.O. Box 148, C.I., NY 11722, (516) 234-8110

## Secretary

Designed for everyone who wants more control over his or her time and life with functions that help organize activities. The program provides an 'at a glance' four-week schedule to do, follow-up, and reminder entries. You can search historical and future entries. The package also provides a full-featured phone/name and address capability

including a 'quick index look-up' feature and ability to create mailing labels. Printout of weekly schedules and phone/address lists is also included. \$49.95  
**Expert Services**, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690

## The Disk Labeler

The Disk Labeler allows the user to print customized labels for 3.5-inch diskettes, and utilizes the features and fonts of the users particular printer. It also creates and maintains a catalog of all disks that have been labeled. \$39.95  
**Software Technology, Inc.**, P.O. Box 22066, or 10610 S.E. McLoughlin, Portland, OR 97222, (503) 653-2090

## Video Escort v2.0

Video Escort was designed specifically for Special Event Videographers. It is a complete management system which keeps track of client's needs, interests, appointments, special requests, response to last call, initial deposits, payments made, and balances due. This completely integrated system creates and prints job contracts, customer receipts, and more than 20 reports including a sales tax report. Stores and prints unlimited tape, music, and graphic libraries. All information of a variable nature such as company data, job pricing, and tax rates can be modified by the end user. Requires 1MB RAM and a hard drive. Superbase Professional 3.02 and Superbase 4 versions available. AmigaDOS 2.0 compatible. Demo available. \$299.95  
**Mr. Hardware**, P.O. Box 148, C.I., NY 11722, (516) 234-8110

## Who! What! When! Where!

This desktop organizer keeps track of people, places, and things to do. Remind options include voice, screen flash, sound effects, or a bell. Supports ARexx. Prints out addresses, phone numbers, schedules, a calendar, and mailing labels. Includes a phone directory, appointment book, things-to-do-list, calendar, notepad, autodialer, and alarm clock. Allows cross-referencing and 14 different owners with the ability to share among them. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$99.95  
**Blue Ribbon SoundWorks Ltd., The**, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
**Please see display ad page CII.**

## \*\*\* ACCOUNTING \*\*\*

### Accounts Payable

Helps manage and track cash liabilities. Posts payments to general ledger or check ledger. \$99.00  
**Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512**

### Accounts Receivable

Indicates overdue accounts, records key customer information, tracks invoices, and prints statements automatically. \$99.00  
**Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512**

### B.E.S.T. Business Management V3.0

An easy-to-use, fully integrated business management and accounting system. Contains general ledger, accounts payable, inventory management, and services management. All purchasing, receiving, order processing, invoicing, and payment entry is provided through an easy-to-use Business Function process. Many standard reports are included in inventory management, services management, accounts receivable, and accounts payable. Custom reporting is available in the general ledger, inventory management, and accounts payable. Customer statements, purchase orders, invoices, and checks are prepared quickly and easily on professional-quality business forms. \$199.95  
**Software Technology, Inc.**, P.O. Box 22066, or 10610 S.E. McLoughlin, Portland, OR 97222, (503) 653-2090

### B.E.S.T. General Ledger

This stand-alone general ledger contains all the features of the integrated B.E.S.T. Business Management General Ledger including a three-year history, transaction entry, and editing, audit

trail reports, journal listings, custom financial reporting, and easy end-of-month closing. Completely compatible with the fully-integrated B.E.S.T. Business Management for future upgrade purposes. \$79.95  
**Software Technology, Inc.**, P.O. Box 22066, or 10610 S.E. McLoughlin, Portland, OR 97222, (503) 653-2090

## Bottom Liner

Accounting program for home and small businesses. Check writing, spreadsheets, 700 user-defined accounts in budget, income, expenses, assets, liability, and equity. \$269.00  
**Clockwork Computers**, 2510 Waterview Court, Sarasota, FL 34231, (813) 923-0493

## Budgeteer

A practical, low-cost budget preparation package designed for home and small business use. Features an easy-to-learn interface that uses the Amiga mouse, menu, and windowing environment to record actual and budgeted monthly expenses and credits. Data can be presented in tables, pie charts, or one of 36 bar charts, all of which can be output to any of the printers supported in Preferences. Requires 512K RAM. Not copy-protected. \$39.95  
**Prakticon, Inc.**, 1729 B Lamoureux Drive, Orleans, Ontario, Canada K1E 2N3, (613) 834-9349

## Check Ledger

Single-entry bookkeeping system for small business or personal use. \$99.00  
**Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512**

## DAY-2-DAY Professional

Networkable order-entry/point-of-sale and customer database system with advanced accounts payable functions, inventory, perpetual sales tracking, and salesperson commission computations. Ideal for retail, wholesale, or manufacturing businesses. Integrates with the Accountant, General Ledger, and payroll systems. AmigaDOS release 2 compatible. Requires hard drive and 1MB chip RAM. \$695.00  
**KFS Software, Inc.**, P. O. Box 897, Corning, CA 96021, (916) 824-2944

## Desktop Budget

A personal finance management program for every budgeting concern handled in an icon-based manner. Assists in setting up monthly payments, automatically performs month-end reconciliations, and year-end roll-overs. Program contains useful full-function calculator and personal icon editor. \$69.95  
**Gold Disk, Inc.**, 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## General Inventory System

Keeps track of inventory levels and reorder list. Identify fast and slow movers, seasonal trends. Four cost levels, automatic sale flags, and multiple vendors. \$99.00  
**Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512**

## General Ledger

Comprehensive double-entry system. Includes audit trails, closing procedures, and full reporting. \$99.00  
**Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512**

## Home Front™

Integrated home-management package. Balance your checkbook and prepare taxes with the accounting manager. Analyze investments and loans with the forecasting manager. Keep track of recipes and print shopping lists. Create address lists complete with important dates. Keep a current database of items in the home with the inventory manager. \$129.00  
**Designing Minds, Inc.**, 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

## Integrated Merchandiser

Point-of-sale and full accounting program with payroll. Automatic posting of sales to ledger. Operates a cash drawer. Up to 98,000 transactions per year. \$499.00  
**Clockwork Computers**, 2510 Waterview Court, Sarasota, FL 34231, (813) 923-0493

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Desktop Video

Word Processing

Desktop Publishing

Music

Education

**Business & Home Productivity**

Programming

Utilities

Entertainment

Miscellaneous Software

Drives

Memory Expansion

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# Business & Home Productivity

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### Keep-Trak General Ledger

Record-keeping system for home or business use. It has many other features. \$49.99  
*Other Guys, The*, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### ● Nimbus 1.4

Nimbus is the easy new accounting system for small business managers who hate to do accounting! Posting, balancing, crediting, and debiting are at hand, with sales tax management, invoice aging, and multiple companies handled with Amiga's ease-of-use! Workbench 2.0 compatible. \$159.95  
*Oxxi, Inc.*, P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Payroll

Accommodates all pay types and pay periods. Includes federal and state tax reporting, quarterly, tax statements, W-2's, paychecks, and cost accounting. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024*, (619) 436-3512

### Point-of-Sale Inventory

Includes an integrated sales order entry and invoicing feature for customer sales, tax-reporting, and profitability analysis. Post customer invoices to the accounts receivable module automatically. \$295.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024*, (619) 436-3512

### Tax Plan

Calculate your federal income taxes for the year and forecast for the year coming. Fast and affordable, covers all forms that most taxpayers use. Prints IRS acceptable forms, handles multiple returns, audits, and identifies errors. User Guide and Tax Reference Manual included. \$34.95  
*Quality Business Systems, P.O. Box 805, Hudson, MA 01749*, (800) 225-5800

### ● The Accountant 2.0

Complete, integrated, accounting system with payroll, inventory, A/R, A/P, and general ledger including a general journal and 10 check registers. Four different point-of-sale options include an invoice writer, cash register system, and recurrent billings. Over 50 reports available. AmigaDOS release 2 compatible. \$299.50  
*KFS Software, Inc.*, P. O. Box 897, Corning, CA 96021, (916) 824-2944

### ● The Booking Agent 2.0

For the talent agency that wants to save time and money by eliminating manual record keeping and costly errors (like double bookings and no-shows). The Booking Agent automates scheduling and accounting for up to 400 acts. Contracts are printed at the time of posting as well as a daily posting sheet. Agents can search by date for open acts and print reports including schedules, income, unsigned contracts, unpaid commissions, deposits, confirmation notices, etc. Requires Workbench 2.0  
*Bigfoot Software*, 912 Karl Street, Green Bay, WI 54301-2225, (414) 435-4500

## ❖ ❖ ❖ DATABASES ❖ ❖ ❖

### ● ARexxDB

A database records manager with complete access and control via a standard Amiga or ARexx port. Multiple applications in various programming languages (including ARexx) simultaneously control their access to the ARexx DB records manager using approximately 70 ARexx functions/commands (e.g. CREATEFILE, LOCKREC, READREC, WRITEREC, WRITEKEY, GETTEXTID, etc.). Nearly all ARexx DB functions can give pre- and post-processing though ARexx scripts. No limit to the number of files opened at one time, nor the file size, nor number of indexes. Any number of programs can have simultaneous access to the same files(s). Variable length records to 65K. Dynamically allocated RAM data cache buffer (total RAM is only size limit). Quantity prices available to developers. \$125.00  
*IMH Software*, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464

### Computer Club Sign-In/Point of Sale Template

Template for Superbase Pro. For computer club member sign-in and treasurer's point-of-sale entry with receipt printout. \$39.95  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

### Contact 2.0

Personal contacts manager for Amiga. Dials phone, prints labels—including to PostScript. Can send name/address to active document window. Non-printing comments can be included. Batch print option—for printing chosen set of mailing labels in up to four columns. Can also print label for single or all records. User can tag any text in an individual record as sort or sub-sort key for that record. Supports Amiga clipboard. Demonstration disk available. Compact, memory-resident, activated by hotkey. ARexx port and example scripts provided as well as menu option to launch scripts from within Contact. New edit note facility for attaching notes to a record. Version 2.0 now includes CalcKey memory-resident calculator with memory functions, square root and boolean functions, binary, octal, decimal and hexadecimal modes. Distributed by Consultron in North America. \$59.00  
*Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia*, (011) 616-239-6658

### Designer Databases-Business I

Ready-to-use database. Simply load using Microfiche Filer or Microfiche Filer Plus and begin entering your data. Professionally designed, commercial quality databases come with complete data definitions and forms for editing and printing. Record inventory, billing, important dates, expenses, employee records, and mail merge. \$59.00  
*Software Visions, Inc.*, 12625 La Tortola, San Diego, CA 92129-3069, (619) 538-6263

### Designer Databases-Home I

Ready-to-use database. Simply load using Microfiche Filer or Microfiche Filer Plus and begin entering your data. Professionally designed, commercial-quality databases come with complete data definitions and forms for editing and printing. Record videotapes, CD's, records, stamps, coins, wines, and Fred Fish Disks (1000 public domain programs catalogued). \$39.00  
*Software Visions, Inc.*, 12625 La Tortola, San Diego, CA 92129-3069, (619) 538-6263

### ● Flex

Flex is a multimedia relational database which supports the following features to name but a few: fully multitasking, 3-D GUI with Optonica 'pop a roll' menu system, online help, built-in file tools. Supports all IFF image displays, anim files, IFF sample files and SMUS music files. Built-in text viewer, full ARexx command set. Freeform print layout. Multiple active databases. Run time database creation for distributable standalone databases. NTSC/PAL compatible. Supports national keyboards and currency symbols. Requires 1MB memory and two floppy drives. Hard disk recommended. Looking for overseas distributors. AmigaDOS 1.3 and 2.0 compatible. \$50.00  
*Optonica Ltd.*, 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282

### Home Management System

A management system that includes programs such as video media, music media, phone, addresses, and more storage database. \$49.95  
*TTR Development, Inc.*, 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### LabelDex!

Integrated mailing database/labeling program. Organizes mailing lists and floppy libraries. Prints a large variety of standard and custom labels. ARexx and dBase compatible. Searches, sorts, and serves as phone dialer. Supported printers include LaserJet, DeskJet, PostScript, and Epson. Use as a ARexx script editor /terminal for remote control of other ARexx compatible programs. Requires 1MB memory. \$74.95  
*EasyScript! Software*, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297

### Microfiche Filer

Award winning database useful for home and business record keeping. Also has powerful graphic storage capabilities. \$99.00  
*Software Visions, Inc.*, 12625 La Tortola, San Diego, CA 92129-3069, (619) 538-6263

### Microfiche Filer Plus

File manager includes full programmer interface using ARexx. Thirty-three powerful new commands allow database access from any ARexx macro. Automatic field calculations, HAM picture storage, database programming, direct control over other applications, dynamic data import, and export with ARexx-compatible applications. \$179.00  
*Software Visions, Inc.*, 12625 La Tortola, San Diego, CA 92129-3069, (619) 538-6263

### MultiBase

Uses record-locking to allow simultaneous access to data files from several terminals. Includes Multi-User System Software. \$249.00  
*Conceptual Computing*, 603 Castlefield Ave., Toronto, Ontario, Canada M5N 1L9, (416) 781-7742

### Omega File Data Base-Mail Merge

Mail-merge database for check registers, invoicing, inventory, etc. \$79.99  
*Other Guys, The*, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### Record Manager Information Base V1.4

Information storage and retrieval system. Easy to use, multiple sorts: search by criteria, print by criteria; mailing labels one or two across, number records limited by disk space. NTSC/PAL. \$49.95  
*HC Software Australia*, GPO Box 2204, Adelaide, South Australia, Australia 5001, (011) 618-262-4461

### ◆ SBase Personal 4

SBase Personal 4 improves upon the Superbase Personal series with several added features including: query across relationships between multiple files; save, load, and edit file-update, file-query and mail label programs; define, load, and save up to 40 function key commands; and report from multiple files with multiple sort levels. Requires Workbench 1.3 or higher. \$149.95  
*Oxxi, Inc.*, P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Superbase Personal 2

Superbase Personal 2 is an easy-to-use 'relational' data manager for organizing, storing, retrieving, and reporting on information from multiple data tables—all without programming. Useful features include a text editor, mailmerge and telecommunications facilities, VCR-style browsing buttons, relational data entry, and the ability to link and retrieve external text, graphic, and sound files. Superbase Personal 2 has many of the features found in Oxxi's popular Superbase Professional 4 programmable relational database management system. \$149.95  
*Oxxi, Inc.*, P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Superbase Professional 4 v1.3

Forms design, application development and relational database is the first new Amiga version of the Superbase technology since 1988, and includes major enhancements in form design, database definition, programming, performance, and documentation. Developed from Precision's Superbase 4 for Microsoft Windows 3.0, Superbase Professional 4 files support one billion records, new data types and attributes, 4,000 character text fields, logical fields, and PCX and GIF image formats, and can store and play sound samples as data. Import/export formats include DBF (dBASE), WKS (Lotus 1-2-3), and XLS (Microsoft Excel). It can also directly read dBASE DBF data and output from existing dBASE databases without conversions. New features include improved network operations which allow upto 32,000 concurrent users to access database files; SQL server support added; additional image formats and more display and printing options; increases speed; increased flexibility. \$299.95  
*Oxxi, Inc.*, P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227



# Business & Home Productivity

## Winston Cup Trading Cards Database Template

Template for Superbase Pro. To keep record of the Maxx racing cards (Winston Cup series). \$9.95  
John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706

## Zelda-A Print/Merge Report Generator

Merges up to five data files at one time. Sends output to devices or files. Powerful commands provide complete control of output. Conditional text inclusion. User-defined defaults for data file values. User-defined string variables. User-defined numeric variables. Six powerful math functions. Works with all text editors, word processors, databases, and spreadsheets producing ASCII files. Over 30 output control variables, including bold, underline, and italic. \$16.95  
Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022

## dBMAN V

This is a dBASE III Plus-compatible relational database management system which allows most dBASE applications from PC DOS to run with no change on Amiga. Applications written in dBMAN V are fully portable over 100 platforms, including: PC DOS, LAN, UNIX, XENIX, AIX, Sun, DEC, A/UX, and mainframes. Includes scrollable windows, menus, UDFs, multi-dimensional arrays, data encryption, and password protection at field level, and more. AmigaDOS 2.0 compatible. \$350.00  
VersaSoft Corporation, 4340 Almaden Expressway, Ste. 110, San Jose, CA 95118, (408) 723-9044

## ◆ ◆ ◆ FINANCE ◆ ◆ ◆

### AMT

Amortization and cost evaluation. \$39.99  
Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### ◆ Home Front 2.0

The home finance and management program for the Amiga. Features include check and graph printing, auto transactions, auto data backup, data export, a brand new graphic interface, easy hard disk installation program, and more. Home Front can handle up to 99 accounts, 1000 categories, and over 32,500 transactions before compacting. Ideal for small businesses. \$99.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

### Investors Companion

An investment portfolio program for keeping track of the total value of your investments from date of acquisition to date of sale. Requires Software Advantage's Investor's Advantage 2.1.  
Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225, (414) 435-4500

### Investor's Advantage 2.0

Investment analysis tool for stock selection and market timing. Chart stocks, mutual funds, market indices, commodities, and options. Utilize Individual Equity Studies and General Market indicators. Automatic downloading capabilities built in. Use the relative strength report to pick the best performers. Time your market entries and exits using the market barometers. \$399.95  
Software Advantage Consulting Corporation, 38442 Gail Street, Mt. Clemens, MI 48043-6209, (313) 463-4995

### ◆ LPCalc

The Linear Programming Calculator is more than just a powerful number-crunching package. It's a high performance business planning program suited to both small and large companies. Uses window-type interface that has look and feel of spreadsheet, but behaves like a command-driven interface. LPCalc is easy to use—just load a financial or manufacturing template, enter your data, and generate reports. \$49.95  
Solid Gold Software, 118 Parkway Drive, Arlington Park, Huntington, WV 25705, (304) 525-1697

### Money Mentor

Money Mentor harnesses the power of the Amiga to compute and graph clear reports of your financial situation. Money Mentor has a unique

system called Smart Scrolls, which studies previous transactions and remembers details about them. Budget System: 200 categories/Transaction System. \$95.95  
Sedona Software, 11828 Rancho Bernardo Road, San Diego, CA 92128, (619) 451-0151

### PHASAR 4.0

Single-entry personal financial manager and organizer manages anyone's financial needs. Interactive accounts track and record personal revenue and expenses. Displays tax liability at any time, prepares individual tax forms and returns, contains address organizer, desktop diary, and appointment calendar. AI parser predicts input. Also features custom check printing, 130 income/expense categories, formatted reports, and more. Handles more accounts than version 3.0. \$89.95  
Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

### Take-Stock

Tracking program for stocks. Handles up to 100 stocks, 365 days a year. Shows graphs of gains and losses; supports printers. \$49.95  
East/West Software, 73 Lorna Lane, Suffern, NY 10901

### dataTAX

Tax preparation software. Prints IRS-approved facsimile tax forms. Includes 1040/1040A, Schedules A,B,C,D,E,F,R,SE and Forms 2106,8615,2441,3903,4562,8829, and more. Electronic filing and state form sets also available. Requires 1MB RAM. \$75, updates \$29. \$75.00  
Datamax Research Corp., Box 1147, Lewiston, NY 14092, (416) 775-2225

## ◆ ◆ ◆ FORMS ◆ ◆ ◆

### ◆ Producer's Survival Kit™ Professional Video Forms Booklet

Extremely helpful to the proper organization and operation of your video production business. These forms help you to: Keep all communications clear, Document your work, Preplan any project, Estimate a budget. Includes: Client interview worksheet, Treatment worksheet, Project feasibility checklist, Production budget sheet, Production contract, Content, Qualification worksheet, Script content commitment form, Storyboard page, Shotlist, Location survey, Call sheet, Field footage log, Releases, Edit decision list. First edition. \$139.00  
Video Technical Group, 7 River Bend, POB 515, Jasper, AR 72641, (501) 365-3065

### Top Form

Design and print professional-looking forms for use at office or home. Import text or merge text files with forms. Fill in forms from the computer, or print first and fill in later. True print, not a graphics dump, so forms look clear and crisp. \$99.00  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 753-4947

## ◆ ◆ ◆ INTEGRATED ◆ ◆ ◆

### Home Office Advantage

The Advantage is a powerful, integrated spreadsheet, database, and graphics package. The program includes all of the standard features of spreadsheets plus automatic recalculation, user-definable functions, and an extensive library of statistical, financial and scientific functions. The Advantage fully supports ARexx. As well, the program effortlessly creates structured 2-D and 3-D charts and graphs that may be imported into Professional Page and Professional Draw retaining all color and fill pattern information. The charts and graphs can also be saved as bitmaps for use with any Amiga program supporting the IFF standard. \$199.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### ◆ The Works! Platinum Edition

The Works! plus two. Upgraded version includes word processing module, telecommunications

module, database module, spreadsheet module, and sideways printing utility. Programs use common interface, one box, easy-to-use manual, and three non-copy-protected disks. One user-friendly manual, free technical support for registered users. Cut, copy, and paste between all modules. Available for PAL. AmigaDOS 2.0 compatible. \$199.95  
Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772

### WordPerfect Library for the Amiga

WordPerfect Library features desktop accessories and productivity tools designed to increase efficiency and organization for Amiga users. The package includes Notebook, Calendar, Calculator, File Manager, and Program Editor. \$29.95  
WordPerfect Corporation, 1555 N. Technology Way, Orem, UT 84057, (800) 451-5151

## ◆ ◆ ◆ SPREADSHEETS ◆ ◆ ◆

### Haicalc

Full utilization of the Amiga Intuition user interface with economical use of memory. Multitasking, multi-windowing, multiple fonts and styles. Maximum spreadsheet size of 9,000 x 9,000. Simple operation, color graphics, and more. All data files created with icons to allow the user to manipulate both worksheet and text files under workbench. All commands accessible from the menu. \$39.95  
Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518

### ◆ Maxiplan 4

A full-featured integrated spreadsheet/database program. Compatible with files from the popular Lotus 1-2-3 program, Maxiplan Plus provides the user with an integrated set of tools to store text and numerical data, perform analysis, and calculations based on that data, and display the results graphically in more than 100 different chart styles. There are over 70 built-in spreadsheet functions for performing a broad array of scientific, statistical, and financial operations. One 3.5-inch diskette, 1MB of memory and two disk drives are recommended. Workbench 2.0 compatible. \$149.95  
Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

### Superplan

Use the advantages of the Amiga for powerful spreadsheet operations. Pull-down menus, on-screen functions buttons or standard slash commands. Superplan's ARexx support allows for free exchange of data with other programs. Fully integrates with Superbase Professional. Spreadsheet dimensions stretch to 2048 rows by 1024 columns. Also provides full color output to a wide range of printers and plotters. \$149.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

## ◆ SPREADSHEET/UTILITIES ◆

### Templicity™ 2.0

Consists of 100 ready-made spreadsheet templates for a wide range of personal and business needs. Each template can be used as is for immediate results, or as a starting point for creating your own unique applications. Templates for 1991 taxes are included, with interactive forms 1040, A, B, C, D, E, F, SE, 2441, and 4562. Taxes are upgraded each year for 5.00. The collection also has templates for personal finance, home office, real estate, advertising, management, sales, budgets, accounting, and household applications. Available for Analyze!, Maxiplan, Superplan, and VIP Professional. \$39.95  
Sterling Connection, The, P.O. Box 4850, Berkeley, CA 94704, (510) 655-2355

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## ❖ STATISTICAL ANALYSIS ❖

### Business Statistics

Contains the statistical tools most likely to be used in a business setting. Coverage similar to that of Experimental Statistics, but with a concentration on experiments most applicable in a business ambience, 2K factorials, and fractional factorials. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### GLIM

A complete statistical modelling system for generalized linear models, including a vectorized programming language.

Numerical Algorithms Group, 1400 Opus Place, 200 Downer's Grove, IL 60515-1263, (708) 971-2337

### Marketing Statistics

Includes data collection and sampling, tabulation and analysis of questionnaire data, forecasting procedures, and more. Discusses market research experiments and provides programs to analyze variance of experimental data. Covers association techniques in detail, correlation analysis, multivariate analysis, factor analysis, residual analysis, principal component analysis, and more. Marketing techniques cover forecasting procedures and market auditing; critical path analysis helps prepare marketing plan. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### P-Stat

An interactive statistical data analysis package. Designed for marketing research and academic situations, P-Stat offers over 50 statistical functions and 25 graph types, including animated charts. Processing power is limited only by system RAM. Features include principal component analysis, factor analysis, tabulation techniques, one- and two-way analysis of variance, regression, and functions of specific value to market researchers: cluster analysis and multidimensional scaling. Price TBA.

Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Parameter and Tolerance Design

One of the most recent and most powerful techniques for optimization in engineering and technology is the application of statistical techniques to the problem of parameter and tolerance design. The techniques using orthogonal arrays were originally developed by G. Taguchi in a quality-control context, but a much more broader application was found. The type of problem that the technique addresses is the one of optimizing a preliminary design. After a design for a device has been prepared by specialists, it is always necessary to optimize that design, that is, to find out which of the many design parameters have the most important effect of the overall performance and reliability of the device. Similarly, production and maintenance costs can be optimized by determining which components have the greatest effect on lifetime and on failure or deterioration. There is no point, for example, in specifying high price materials for non-critical components. The optimization can be carried out by experiment or by computer simulation of experiment. The text gives a clear description of the procedures, with examples, and the programs allow a professional approach to application of the techniques. \$125.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### Quality Control and Industrial Experiments

Thorough coverage of the standard quality-control methods. All popular types of quality-control charts have been implemented, with constant and variable sizes and chart presentations conform to ASQC standards. Discusses statistical background of statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality-control methods \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### Risk and Business Simulations

Monte Carlo simulation techniques are used to analyze the major problems faced in business management; inventory management, service and supply management (queues), and risk analysis and financial management. Since the probability of occurrence of events is not likely to be known in business—at least with any accuracy—a variety of probability functions is provided with the programs. Inventory simulation helps to answer the basic questions 'How much should be purchased?' and 'When should the purchases be made?' Queue simulation helps the study of service and supply problems. The simulation programs deal with the problems of one-channel / n-stations, n-channels / one-station, and n-channels / m-stations. The financial-simulation program handles the problems of buy-sell and deposit placings; a simplex algorithm allows the study of the best combination of purchases and sales over different periods of time. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### Sales and Market Forecasting

Attacks the problem of how to make a forecast, and what to do with it once it has been made. Prepares demand analysis and generates a company time-series. Covers relating company time-series to more general business and economic time-series, developing forecast, and preparing a market audit from material generated in forecasting. Provides sources of business data and extensive base of about 50 yearly and monthly time-series obtained from U.S. Department of Commerce publications. Includes examples. \$145.00

Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918

### Statpack

An introductory statistical analysis system with GUI. It handles multiple regression, ANOVA, logistic and log linear models, descriptive statistics and has a complete data manipulation module. 50% price reduction for education. \$200.00

Université de Liège, Professor James K Lindsey, Faculté d'Economie, Sart Tilman B31 4000 Liège, Belgium, (011) 324-156-2964

### The Securities Analyst

A stock charting and analysis program designed with the individual investor in mind. It permits the investor to chart any number of stocks over an extended period of time. Package includes Moving Average, Performance, Point & Figure, Trailing Stops, Price Earnings Analysis, and more. \$79.95

Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964

## ❖ ❖ ❖ MISCELLANEOUS ❖ ❖ ❖

### Home Inventory Manager

Keeps track of your insurance and personal possessions. \$29.95

Sunsmile Software, 533 Fargo Avenue, Buffalo, NY 14213, (716) 885-5670

### Math-Amation

Colorful, multi-module mathematics tool kit. Solve polynomial, function plots, algebra, geometry, and statistics. Includes scientific and matrix calculator. Also features business-presentation graphics. \$79.95

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### MicroLawyer

Over 100 legal form templates for corporate, personal, and business use. Can save you time and money on legal fees. \$59.95

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### Profit Enhancement Center

Provides all hardware and software for POS, inventory control, and full accounting. \$3,599.00 for 1 POS station with cash drawer; \$6,999.00 for one POS & one back office station.

Clockwork Computers, 2510 Waterview Court, Sarasota, FL 34231, (813) 923-0493

### Video Cataloger

Keeps track of your video collection. \$29.95

Sunsmile Software, 533 Fargo Avenue, Buffalo, NY 14213, (716) 885-5670

## ❖ ❖ VERTICAL MARKETS ❖ ❖

### Pig Palace Data System

Record-keeping system specifically for hog producers. Data entry windows for sows, boars, weaners and feeders. Over 15 different reports, from open sows to 12-month averages.

James River Livestock and Equipment, P.O. Box 473, Sundre, Alberta, Canada T0M 1X0, (403) 638-3949



**tech ni cal** (tek' ni kel) *adj.*

1. Of, relating to, or derived from technique. 2. Specialized < a technical magazine> 3.a. Theoretical or abstract < a technical analysis> b. Scientific. 4. According to principle < a technical advantage> 5. Industrial or mechanical; TECHNOLOGICAL.

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## ❖ PROGRAMMING GENERAL ❖

### ● A.D.A.P.T. 68040 Assembler

A.D.A.P.T., the 68040 Assembler, is a comprehensive collection of programming tools for the assembler language programmer. The A.D.A.P.T. package includes an optimizing 680 x 0 macro assembler, high-speed single-pass linker execution profiler, and program module analyzer. A.D.A.P.T., the 68040 Assembler, is AmigaDOS 2.0 compatible. Requires 512K RAM. \$119.95  
Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045, (215) 337-8770

### AC/BASIC 1.3

Compatible with AmigaBASIC interpreter. Increases execution speed, and includes structured programming features. \$195.00  
Absoft Corp., 2781 Bond St., Rochester Hill, MI 48309, (313) 853-0050

### AC/FORTRAN

ANSI FORTRAN 77 compiler, interactive debugger. Includes IEEE math, VAX, and FORTRAN 8X extension, and much more. 300 pp. manual. \$295.00  
Absoft Corp., 2781 Bond St., Rochester Hill, MI 48309, (313) 853-0050

### AMOS PD

AMOS America is the source for AMOS PD in the USA. Hundreds of disks are in the collection, packed full of AMOS Basic code for the beginner or expert. Mark Scott is the librarian here in the States, and we work directly with Sandra Sharkey, the UK librarian. We are also suppliers of AMOS licenseware. Call for more information and a free AMOS PD catalog. 1-9 \$4.95 each; 10-24 \$3.95; 25+ \$2.95. Runs on any Amiga, AMOS Basic programming language.  
AMOS America, 1630 George Washington Blvd., Wichita, KS 67211, (316) 685-4763

### AMOS-The Creator

A sophisticated, yet easy-to-use development language with more than 500 commands which allow you to access the awesome power of the Amiga. NTSC/PAL compatible. \$95.00  
Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333

### APL.68000 LEVEL I

APL.68000 is a full multi-user implementation of an extended superset of IBM's powerful VSAPL language. Providing a free Run-time license, application developers may take advantage of APL.6800's multi-tasking, full screen function editor, user-defined pull-down menus and Requester boxes, full interface to Amiga graphics facilities, and more. Math chip support available for \$415. \$155.00  
Spencer Organization, Inc., 24 Wampum Road, Park Ridge, NJ 07656, (201) 307-9099

### APL.68000 Level II

APL.68000 Level II is fully developed in close conformance to IBM's APL2/370 specification. Level II is fully upwards compatible with its predecessor Level I including the same machine-specific features that made APL.68000 Level I so popular; (multi-tasking, a full interface to Amiga graphics, etc). Upgrades from Level I available. \$495.00  
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### ARexx

Implementation of REXX, a high-level language especially suited for string manipulations and as a macro processor. \$49.95  
William S. Hawes, P. O. Box 308, Maynard, MA 01754

### Ameege-FFT C Package

The Ameege-FFT C Package provides all the source and code you need to perform detailed frequency analysis of your data utilizing a complete set of Fast Fourier Transform (FFT) routines. The package includes C source for derivation of the Power-Spectrum, Phase-Amplitude Spectrum, Inverse FFT. \$152.00  
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### Amiga COMAL

Put some punch into your programming without getting knocked out! COMAL gives you power plus fun, including LOGO/turtle graphics. It is a friendly, helpful language; yet it allows you full access to the Amiga if you need it (just like C). \$99.95  
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Amiga Logo takes advantage of the Amiga's speed, sound, and graphics capabilities. Included in the manual and on the disk are several examples of the power of Amiga Logo. Features include up to 32 colors and four selectable screen resolutions, interactive, discovery-oriented environment using mouse driven pull-down menus, programmable and freehand graphics from either simple commands or by using the mouse, and advanced list and symbol processing. \$99.95  
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### Amiga Oberon

Oberon is the new programming language from Niklaus Wirth, designer of Pascal and Modula-2. Amiga Oberon is the implementation of this language for the Amiga in a way which outperforms almost every other way of programming. Requires 1MB RAM. ARexx, NTSC, and PAL compatible. \$249.00  
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### AssemPro

Bridge the gap between slow higher-level languages and ultra-fast machine language programming: AssemPro Amiga unlocks the full power of the Amiga's 68000 processor. It's a complete developer's kit for rapidly developing machine language/assembler programs on your Amiga. ISBN 1-55755-030-1 \$99.95  
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### Autogram C

Automatically writes C language programs. Suitable for home or professional use. \$149.95  
Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-5337

### Avocet 68000 Family Assembler

For 680X0 embedded-system software development. Supports entire 68000 family including 68030 and 68882. Motorola compatible. Includes macro assembler, linker, symbol generator, object librarian, disassembler, and hex file utilities for burning eeproms. Source code is available. \$860.00  
Avocet Systems, Inc., 120 Union Street, P.O. Box 490, Rockport, ME 04856, (800) 448-8500

### ◆ Aztec C68K/Am 5.2 d-Developer System

New version is fully ANSI compatible. Full v2.04 and v1.3 support. Has v2.04 includes, libraries, and fd files. Source level debugger is now part of developer system. AmigaDOS 2.0 compatible. Update \$20. \$299.00  
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### ◆ Aztec C68K/Am 5.2 p-Professional System

New version is fully ANSI compatible. Full v2.04 and v1.3 support. Has v2.04 includes, libraries, and fd files. AmigaDOS 2.0 compatible. Update \$20.00. \$199.00  
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### Aztec C68k/Am 3.6 d-Developer System

Translates programs written in C into executable machine code. Features Manx Aztec source level debugger, UNIX utilities, math support libraries for 68881, and Manx Ieee emulation. Includes Aztec Shell, Compiler, 68000 Macro Assembler, Overlay Linker, Librarian, Run Time Libraries, Profiler, Portable C Library Interface, and the UniTools utilities: z (vi editor), make, diff, and grep. \$299.00  
Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702, (800) 221-0440

### Aztec C68k/Am 3.6 p-Professional System

Translates programs written in C into executable machine code. Features Manx Aztec source level debugger, UNIX utilities, math support libraries for 68881 and Manx IEEE emulation. Includes Aztec Shell, Compiler, Macro Assembler, Overlay Linker, Librarian, Run Time Libraries, Profiler, and Portable C Library Interface. \$199.00  
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### ◆ Basic Construction Set 2.5

Lets you program lines, circles, boxes, sounds, waves, gadgets, pointer, and palettes in AmigaBASIC just by using the mouse. Special options include creating 32-color bobs and bytemaps from IFF pictures. Requires A500/1000/2000/3000, mouse, 1MB recommended. \$39.95  
Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia, 011-61-8-272-2302

### Benchmark Modula-2

Integrated compiler, linker, and EMACS editor. Compiles at 10,000 lines per minute with burst speeds of up to 30,000 lines/minute. Libraries support AmigaDOS, Intuition, Excel, and Modula-2. 700 pages of documentation. Many demonstration programs. \$199.95  
Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093, (214) 612-8204

### C.A.P.E. 68K 2.52

The Complete Assembler Programming Environment, C.A.P.E. is a Metacom compatible 68000/68010 assembler with integrated editor, pre-compiled included, and extensive ARexx support. C.A.P.E. also features outstanding optimizations and a large number of powerful directives. The V2.5 release includes a new smaller, faster linker, a profiler, and a vast improvement in assembly speed. \$89.95  
INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

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F-Basic is an enhanced, compiled BASIC language system. It supports extensive control structures, recursive subprograms, global variables, extended integer variables, fast nine digit single precision real numbers, double precision real numbers, and text variables. It also supports record structures and pointers, high-level access to Amiga graphics, sound, menus, the ROM Kernel, and more. F-Basic contains powerful features like recursion and pattern matching to satisfy advance programmers, yet is easy for beginners to learn. Version 4.0 adds an ARexx port, high level gadgets and mouse up/down events, separately compiled modules, automatic checksumming of programs, and improved editor and WorkBench icon arguments. AmigaDOS 1.3 and 2.0 compatible. Runs on all Amiga models. Shipped with 200+ page manual and sample programs disk. Sold with the F-Basic System Source Level Debugger (SLDB) for \$159.95. Sold without the SLDB for \$99.95. \$99.95

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6502 cross assembler. \$39.95  
RockLogic, P. O. Box 22, Slippery Rock, PA 16057

## FASM85

8085 cross assembler. \$39.95  
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GFA-BASIC is a very fast interpreter and compiler which has been upgraded to function under Workbench 2.0 and on the Amiga 3000. Includes over 500 commands and functions which let the programmer write all types of applications for the Amiga. \$149.95

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## GFA-BASIC for Windows 3.0

The windows version of GFA-BASIC gives you a simple but powerful language for developing applications. You can also easily port your Amiga GFA-BASIC programs onto windows without rewriting code. \$295.00

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## GT Emulator

GT Emulator is an emulator for the new Amiga GadTools library. It allows developers to use many of the new features of Release 2.0 of the Amiga operating system, while still remaining completely compatible with 1.3. Applications are written exactly as if writing for 2.0 GadTools library, so programmers don't have to learn a new system to operate under both 1.3 and 2.0. GT Emulator. One-time licensing fee: \$1000.  
Dreamer's Guild, P.O. Box 33031, Granada Hills, CA 91394-0931, (818) 349-7339

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Interactive programming language. 32-bit Forth compiles directly to FAST 68000 machine code. Generates SMALL standalone applications. Complete interface to Amiga 2.0 libraries and precompiled include files. Includes ARexx toolbox, source level debugger, integrated text editor, two assemblers, disassembler, IFF/ILBM tools including ANIM and ANIMBRUSH support, object-oriented dialect, local variables, global register based optimizer, code performance analyzer, hashed dictionary for fast compilation, numerous example programs and tutorials. NTSC/PAL. Requires 1MB. AmigaDOS 1.3/2.0 compatible. \$179.95

Delta Research, P.O. Box 151051, San Rafael, CA 94915-1051, (415) 461-1442

## ♦♦ Jjc Training Package

Subscribers receive 12 disks per year (one per month) full of information on the Amiga. Course is beneficial to new users who are using the Amiga to teach themselves about computers in general, students in Computer Studies, those who are frightened of computers, and people who only play games on the Amiga, but want to use it constructively. Course covers basics, software, hardware, design, and hints & tips. Regular features: glossary of computer terms, questions & answers, hardware design, software training, AmigaDOS operation, communication systems, and animations. Requires A500/A1000/A2000/A3000, AmigaDOS 1.2,1.3 (most of 2.0). Free personal Question & Answer service for subscribers, nominal fee for digitizing service. \$100 for full course. £50.00 annual, £5.00 one month. \$100.00

Jjc, P.O. Box 19, High Wycombe, Bucks HP11 1UF, England, 011-44-494-883-347

## M2Amiga

Amiga Modula-2 works with versions 1.2, 1.3, and 2.0 of the Amiga Operating System and runs on the Amiga 500, 1000, 2000, and 3000 with at least 1MB of RAM and a disk drive. The system can be used either from the CLI (Command Line Interface) or from within the workbench environment. This is available only in the Modula-2 language. \$249.00  
A+L AG, Daderiz 61, 2540 Grenchen, Switzerland, (011) 416-552-0311

## Macro68 V3

Macro68 supports the entire Motorola family including the MC68040, MC68882 FPU, and MC68851 MMU. Additional capability includes the Amiga copper. The new Motorola syntax for 030 CPUs is supported, and Macro68 includes a utility to convert old-style syntax painlessly. Old syntax is also supported. Most features of Macro68

are limited only by available memory. Directives include Structure Offset for compatibility with the Amiga's interface conventions, and Frame Offset for easy stack frames. Full listing control as well as cross-referencing is included. A user-accessible file provides the ability to customize directives and run-time messages. Macro68 is fully re-entrant, and may be made resident. An ARexx interface provides real-time communication with the editor of your choice. A number of directives enable Macro68 to communicate with AmigaDOS. External programs may be invoked on either pass, and the results interpreted. A unique feature of Macro68 is the use of preassembled, resident include files for incredibly fast assemblies. These may be standard Amiga files, or any header files may be used. Additionally, a configuration file may be defined that will set up a particular environment, or insert specific code in all assemblies. Macro68 is compatible with the directives used by most popular assemblers. Output file formats include executable object, linkable object, binary image, pre-assembled symbol tables, and Motorola S records. System requires 1MB RAM, V1.2 OS or later. Call The Puzzle Factory in U.S. or Canada, DigiSoft in Australia or the rest of the world. \$150.00  
Puzzle Factory, The, P.O. Box 986, Veneta, OR 97487, (503) 935-3709

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## MaxTrax

MaxTrax is a high-quality music driver for developers who want to write games or multimedia application on either Amiga or CDTV. It includes Music-X for creating music, and can import music from other sources as well. Musical effects supported include Accelerando and Portamento. Other features include host volume control, Synchronization events, NTSC/PAL compatibility, small code size and a library of IFF sample instrument sounds. Developer kit: \$500; Product Insertion License: \$2000; Demo disk: Free.  
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Dineen Edwards Group, 19785 West Twelve Mile Road, Ste. 305, Southfield, MI 48076-2553, (313) 352-4288

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## ReSource V5

ReSource V5 is an intelligent interactive disassembler for Amiga programmers. Entirely hand-coded in assembly, ReSource V5 is blindingly fast, disassembling literally hundreds of thousands of lines per minute from executable

# Affordable Excellence

## ReSource — macro disassembler

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Virtually all V2.0 Amiga symbol bases are available at the touch of a key. In addition, you may create your own symbol bases. Base-relative addressing, *using any address register*, is supported for disassembling compiled programs. All Amiga hunk types are supported for code scan.

**ReSource V5** runs on *any* 680x0 CPU, but automatically detects the presence of an 020/030 CPU and runs *faster* routines if possible. **ReSource V5** understands 68030 instructions and supports the new M68000 Family assembly language syntax as specified by Motorola for the new addressing modes used on the 020/030 processors. **ReSource V5** and **Macro68** are among the few Amiga programs now available that provide this support. Old syntax is also supported as a user option.

An all new online help facility featuring hypertext word indexing is included. This enables you to get in-depth help about any function at the touch of a key! **ReSource V5** includes a new, completely rewritten manual featuring two tutorials on disassembly, and comprehensive instructions for utilizing the power in **ReSource V5**.

**ReSource V5** will enable you to explore the Amiga. Find out how your favorite program works. Fix bugs in executables. Examine your own compiled code.

**"If you're serious about disassembling code, look no further!"**

**ReSource V5** requires V1.3 or later of the Amiga OS, and at least 1 megabyte of ram. **ReSource V5** supercedes all previous versions.

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**Macro68 V3** supports the entire Motorola M68000 Family including the MC68030 and MC68040 CPUs, MC68881 and MC68882 FPU's and MC68851 MMU. The Amiga Copper is also supported, eliminating the need for tedious hand coding of 'Copper Lists'.

This fast, multi-pass assembler supports the new Motorola M68000 Family assembly language syntax, and comes with a utility to convert old-style syntax source code painlessly. The new syntax was developed by Motorola specifically to support the addressing capabilities of the new generation of CPUs. Old-style syntax is also supported, at slightly reduced assembly speeds.

Most features of **Macro68 V3** are limited only by available memory. It also boasts macro power unparalleled in products of this class. There are many new and innovative assembler directives. For instance, a special structure offset directive assures maximum compatibility with the Amiga's interface conventions. A frame offset directive makes dealing with stack storage easy. Both forward and backward branches, as well as many other instructions, may be optimized by a sophisticated N-pass optimizer. Full listing control, including cross-referenced listings, is standard. A user-accessible file provides the ability to customize directives and run-time messages from the assembler.

**Macro68 V3** is fully re-entrant, and may be made resident. An AREXX™ interface provides "real-time" communication with the editor of your choice. A number of directives enable **Macro68 V3** to communicate with AmigaDos™. External programs may be invoked on either pass, and the results interpreted. Possibly the most unique feature of **Macro68 V3** is the use of a shared-library, which allows resident preassembled include files for incredibly fast assemblies.

"It has probably the largest set of directives ever seen in an assembler, a nice macro facility, pre-compiled resident includes, ARExx support, the best customer support anywhere, and it's fast." —JLM, Byhalia, MS

"Very well-written, high performance development tool!" —WHM, Houghton, MI

**Macro68 V3** is compatible with the directives used by most popular assemblers. Output file formats include executable object, linkable object, binary image, and Motorola S records. **Macro68 V3** requires at least 1 meg of memory.

Suggested retail price: US\$150

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files, binary files, memory, or disk blocks. Full use is made of the Amiga windowing environment. There are over 900 menu functions which allow you to create real assembler source code. Most of the Amiga structure names are available at the touch of a key. Base-relative addressing is supported for disassembling C programs. In addition, user-defined structures are supported. All Amiga hunk types are supported for code scan. ReSource V5 runs on any 680x0 CPU, but automatically detects the presence of an 020/030 CPU and runs faster routines if possible. ReSource V5 allows the user to output either traditional 68K syntax, or the new Motorola M68000 Family assembly language syntax, and is fully compatible with the Macro68 assembler. An all-new, online help facility featuring hypertext word indexing is now included. This enables the user to get in-depth help about any function at the touch of a key. A completely rewritten user manual is featured. ReSource V5 supersedes all previous versions. Requires 1MB RAM, V1.3 or later \$150.00  
Puzzle Factory, The , P.O. Box 986, Veneta, OR 97487, (503) 935-3709

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## SAS/C™ Development System

SAS/C Compiler Development System offers a complete programming environment with SAS/C Compiler, global optimizer, blink overlay linker, LSE screen editor, source-level debugger, comprehensive documentation, and more. Release 5.10 is Version 2 compatible. \$300.00  
SAS Institute Inc., One SAS Circle Box 8000, Cary, NC 27513-2414, (919) 677-8000

## Source Builder

Source Builder is a CASE (Computer Aided Software Engineering) tool for the Amiga computer. This tool allows the programmer who has to design, code, integrate, and manage large amount of software to automate the development of source code. The tool supports source code generation in two distinct ways—Advanced Macro Processing and Logical Object Processing. It manipulates ASCII files. The user can write source code with practically all languages. \$99.95  
Software Integration Solutions, 11027 Twin Pond Terrace, San Diego, CA 92128, (619) 748-3350

## ● Titan Modula II

Amiga Modula II compiler. Object-oriented language extensions. Using a multi-pass method, which makes the final executable code faster than applications written with C in many cases! Workbench 2.0 compatible. Available Spring 1991. Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

## True BASIC Language System

Structured, easy to use language, features: compiler, editor, and debugging tools. Floating point math, support for large dynamic arrays, and built-in syntax for matrix Algebra. Plot entire arrays with a single statement; apply built-in transforms; use the 3-D Graphics Library to put depth into the graphics. \$99.95

True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC

## ● TurboText

Oxxi's new text editor for the power user! Fully customize the editor to any compiler on the market, including C, Pascal, and Modula II. Macros, hex edit window, complete outlining, text templates, complete remapping of keyboard and menus, and much more! Workbench 2.0 compatible. \$99.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

## ◆◆◆ GRAPHICS ◆◆◆

### Analytic Art

Mathematically produces drawings easily. Five programs, three fractal generators for

Mandelbrots, Julia sets, Henon plots, and Siepinski gaskets. Two post-processing programs. The spheres program maps pictures on spheres. 3-D driven Z heights. The galley lets you add special effects like color animation, color evolution, and more. Includes documentation. \$59.95  
Crystal Rose Software, 119 North Bonnie Ave., Pasadena, CA 91106-2103, (818) 795-6664

## X11 R4 LDS

Local Development System. Complete system for compiling, running and displaying XWindow applications locally under AmigaDOS using Lattice 5.10a. Networks: SANA Local, supports displays to 2K x 2K color. User interfaces: TWM, Open Lock. \$475.00

Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469

## ● XII Programmer's System for the Amiga

Develop X11 applications under AmigaDOS. Source code compatible with X11 release, 4 or UNIX based machines. Works with Gfx Base's XII window system for the Amiga. Contents: X11 R4 include files, xlib athena widgets, xtoolkit, xmu, BSD socket library networks: ethernet DECnet (TSSnet)+CP/IP (NE225). SANA, arcnet and slip. Requires Lattice 5.10, 3MB RAM. \$250.00  
Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469

## ◆◆◆ MUSIC ◆◆◆

### HMSL

Hierarchical Music Specification Language. An object-oriented Forth-based language for experimental real-time music composition. Complete MIDI toolbox supports mapping input to user functions, system-exclusive messages, recording, MIDI files, etc. Includes hierarchical event scheduler, custom user-interface builder, Amiga sound tools, graphical data editor, tools for algorithmic composition, and more. Source code included. Requires JForth. \$249.95  
Frog Peak Music, P.O. Box 151051, San Rafael, CA 94915-1051, (415) 461-1442

## MIDI-to-AdLib file converter

The file converter opens the market for low cost FM-synthesis sound boards to a wide range of high quality MIDI music. Over 85% of MIDI files can be converted to low cost boards. Files 15 to 20 minutes long are easily converted. The output file is a .ROL file fully compatible with AdLib's Composer song editor. It can be used wherever >ROL files are used. \$25.00  
Patch Panel Software, 11590 Seminole Boulevard, Largo, FL 34648, (813) 397-3530

## ◆ PROGRAMMING TOOLS ◆

### ◆● Instinct

Object-oriented shared library to simplify programming for the Amiga. Included classes provide support for Intuition functions in an easy-to-use environment. In addition to the object classes, the Instinct object engine is designed to readily accept new classes as they are released. Class structure allows incorporation of only the required classes—saving memory and reducing complexity for the programmer! Requires AmigaDOS 2.0. Available 2nd quarter 1992. \$249.95  
Advanced Thinkware Designs, 61 East 8th Street, Suite 324, New York, NY 10003

## Modula-2 and the Amiga

The first complete guide to programming the Amiga in Modula-2. Contains 300 pages of tutorial information on programming the Amiga to do graphics, menus, gadgets, and other complex operations. \$99.95

Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093, (214) 612-8204

## ◆ Motif Programmer's Toolkit for the Amiga

The Motif Programmer's Toolkit with MWM

implements the standard machine-independent programming environment of the OSF/Motif graphics user interface. Includes: include file, Motif object libraries, Motif window manager, UIL (Motif User Interface Language) compiler, WML (Widget Meta Language), MRM (Motif Resource Manager), and more. Requires 4MB RAM., 10MB hard disk space, SAS C/5.10 A. \$295.00  
Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469

## ● Quma Version Control System

QVCS tracks all the changes you make to a file (source or binary), tracks who made the changes, when, and why. Retrieve previous revisions of a file. Summarize changes between releases. Delete unwanted revisions. Label all files for a product release. Restrict who can make changes. Supports keyword expansion, file wildcards; configurable for different development styles. Requires 1MB, hard disk, and 1.3 or 2.0. \$99.00  
Quma Software, 20 Warren Manor Court, Cockeysville, MD 21030, (410) 666-5922

## RX Tools

Complete ARexx extension set and tutorial aid. Makes creating ARexx applications easier and more powerful. Implement extensions for windows, gadgets, requesters, and more. Full ARexx editor included. \$59.95

TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

## Subroutine Library

CD-ROM development subroutine libraries for full text, fielded data, and multimedia applications. \$3500.00

Software Mart, Inc., 3933 Spicewood Springs Rd., Ste. E-100, Austin, TX 78759, (512) 346-7887

## True BASIC Sorting and Searching

Fourteen optimized subroutines for string and numeric sorting. Allows case-blind, multikey, bubble, selection, heap sorts, and other customized comparison routines. Includes in-place quick sort and binary search routines. Includes the source. \$69.95

True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC

## True BASIC—Programs and Subroutines

Learn to simplify and modularize your programs. By Craig. \$16.95

True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC

## ◆● Wisdom

User interface design tool for Instinct. Provides programmer with a CASE-like environment for designing user interfaces, and stores the design in a resource file. Includes a shared library for accessing the Instinct objects used, allowing the programmer to concentrate on the functionality of the application while Wisdom does the 'dirty work.' User interface resources can be modified without need for recompilation. Requires Instinct and AmigaDOS 2.0. Available 3rd quarter 1992. \$149.95

Advanced Thinkware Designs, 61 East 8th Street, Suite 324, New York, NY 10003

## ● XView Programmer's Toolkit for Amiga

XView programmer's toolkit allows native development of XView-XWindows programs using the SAS C compiler. XView is an X toolkit based on Sunview programming model allowing for easy parts of existing Sunview programs to XWindows environment. Produced by S & B Software. \$250.00  
Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469

## ◆◆◆ TEXT EDITORS ◆◆◆

### CygnusEd Professional 2.0

Impressive editing tool for the Amiga. Features turbo scrolling, easy to use macros, and keyboard



shortcuts. Lines or blocks can be deleted or undeleted, paragraph formatting, and automatic word wrap. Up to ten files can be displayed at one time to edit, cut, and paste. Fastest programmer's editor available. Full ARexx interface. Automatic saving and even recovers data from most system crashes. \$99.95  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## ◆ ◆ ◆ TUTORIAL ◆ ◆ ◆

### Advanced String Library

Tools and routines for the True BASIC language system. Features includes expression scanning, associative memories, text manipulation to fill and justify text, pattern matching, expression scanning character-set matching, and text conversion for English and Roman numerals. Also includes 38,000 word English dictionary. \$69.95  
True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC

### AmeegeView™ V2.1

AmeegeView is an object oriented, C language, Intuition front-end (library). AmeegeView is an easy-to-learn standardized interface that provides over 100 easy-to-use routines and macros to completely control the set up and manage windows, screens, menus, requesters, gadgets of all types (including automatic mutual exclusion), bitmaps, all imagery, IFF, text, and much more. This consistent Intuition/graphics interface greatly reduces programming time and codespace for professional applications development. AmeegeView works with both Manx and Lattice (SAS/C). The distribution disk contains oodles of demo code in C and extensive documentation. You will be writing serious Amigitized user-interfaces in minutes. \$79.95  
ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722

### AmigaDOS V1.3 Native Developer Update

Native Developer Update (November, 1988). A four-disk set for the native Amiga developer. The following files are contained on the disk: Include 1.3; Commented C and Assembler Include files; Include.strip 1.3; stripped Include files, 1.3 startups, Alink, Amiga.lib, debug.lib, atom, LVO offset lists and more; Autodocs 1.3; 1.3 autodocs summarize library, resource, and device calls; Readme 1.3; Readme files and sample 1.3 printer driver sources. \$20.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Audiotools for the Amiga

Based on an article published in July/Aug 87 Amiga World, disk contains source and object in both C and Modula-2 that simplifies direct access to the audio device. Updated since publication of the original article, and includes the original unedited article text (with updates included). No licence required for use. \$8.00  
DATAPATH, P.O. Box 1828, Los Gatos, CA 95031

### GS-1000 Graphics Library

Library of over 90 graphics-oriented commands. Includes device-independent 2-D graphics, multiple viewports and screens, zoom panning, color mixing, and many other commands and a full-featured paint program. With source code, \$149.95. \$49.95  
Rittinghouse Software Development Company, RR 2, Box 62, Parker, SD 57053, (605) 342-6229

### Key to C version 2.02

Library of C functions for the Amiga, including source and object code for all functions for easy insertion into programs. Includes all documentation on disk. A 64-page reference manual. Also includes three utility programs. \$34.95  
Data Research Processing, Inc., 5121 Audrey Dr., Huntington Beach, CA 91649, (714) 840-7186

### Laserdisk Controller Software Library

This package is a linkable C library of routines

## REXX PLUS COMPILER

Order the only REXX Compiler designed for the Amiga, so YOU can:

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intended to help application developers easily and immediately integrate the Pioneer LD-V2200 laserdisk player into their own applications. The library is Manx and Lattice compatible and addresses all features and modes of operation of the LD-V2200. The package includes test software and complete documentation and 'may be used right out of the box'. \$99.95  
ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722

### True BASIC 3D Graphics

Create 3-D graphics with True BASIC 3-D graphics and the True BASIC language system. Supports perspective and parallel views, arbitrary oblique projections, cabinet, cavalier projections, circles, rectangles, grids, polygons, text plotting, and contour plots. Also provides basic animation tools. \$69.95  
True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC

## ◆ ◆ ◆ UTILITIES ◆ ◆ ◆

### AmigaMOP Test Management Package Ver. 2

The AmigaMOP V2 is a data management and user interface for electronic test systems. Linkable and run-time libraries are included for writing the test programs and data handlers. Other features included in this version are safe memory support, dual multitasking/multiplexing test programs, and a help feature. \$349.00  
Go Software, 136 Spicer Road, Thompson, CT 06277, (203) 923-2348

### C Language Library

Add-on library product for Benchmark Modula-2. All standard C language library functions are implemented for use in Modula-2. \$99.95  
Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093, (214) 612-8204

### ConMan

Replacement console handler that provides line editing and command history. Shareware, V.1.1. \$10.00 suggested contribution  
William S. Hawes, P. O. Box 308, Maynard, MA 01754

### Developer's Toolkit

Collection of machine-specific routines that facilitate access to ROM and other special Amiga features. Also includes access to Intuition. \$69.95  
True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC

### ● F-Basic System Source Level Debugger (SLDB) 4.0

The SLDB functions in a fully-windowed Intuition interface, and allows the user of an F-Basic 4.0 program to debug at the Source level. A knowledge of assembly language is not necessary to use the SLDB. The SLDB allows the user to set breakpoints on source lines of the program halting execution, trace one source line at a time, go until breakpoint, etc. Allows the same functions at the assembly level. Valuable debugging tool for beginner or advanced programmer. Some features include viewing and altering 68000 registers, memory, variables, arrays, and records by

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## Memory Management, Inc.

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**Memory Management, Inc.**  
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(617) 237 6846

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name. A full-featured reverse assembler is also included. Version 4.0 adds many new features including facilitating the use of coprocessors and the advanced processors in the 68000/020/030/040 family. AmigaDOS 1.3 and 2.0 compatible. Runs on all Amiga models. Includes user's manual, and requires F-Basic 4.0 \$60.00  
*Delphi Noetic Systems, Inc., P. O. Box 7722, 2700 West Main Street, Rapid City, SD 57709, (605) 348-0791*

### Flexe Lint for the Amiga

Finds errors, bugs, and inconsistencies that your compiler working on one module at a time will miss. Supports K&R C language and ANSI C. Finds inconsistent declarations, argument/parameter mismatches, uninitialized/unaccessed variables, unreferenced variables, suspicious macros, indentation, and more. Includes compiler options files for the Lattice and Aztec compilers. Version 4.0 features incremental linting and checking of compile time objects. \$98.00  
*Gimpel Software, 3207 Hogarth Lane, Collegeville, PA 19426, (215) 584-4261*

### IFF and Image Resource Library

Add-on library product for Benchmark Modula-2. Functions for reading and writing IFF files. Tool for attaching IFF images to an executable file. Images can be accessed at run time as resources from the Modula-2 program. \$99.95  
*Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093, (214) 612-8204*

### InovaTools 1

InovaTools 1 was designed to increase programmers' interface construct options beyond those of Intuition. Included are function definitions—in linkable C or system library format—for the following: Drag Gadgets, Knob Gadgets (Analog-type circular knobs), Pop-Up menus, and over 40 other useful routines. Written by Todor Fay. \$79.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

### LDebug 2.1

A debugger supporting Benchmark Modula-2, C.A.P.E. 68K assembler, and the Lattice AmigaDOS C compiler. Trace by source line, or by MC68000 instruction. Set breakpoints in multiple source modules or by clicking on a line of source code. Disassemble a source line by double clicking on it. \$49.50  
*LogiComp Software, 4010 Woods Blvd., Lincoln, NE 68502, (402) 423-6768*

### Library Source

Includes the original Assembly and C source to

all routines in the Aztec RunTime Libraries. \$300.00

*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702, (800) 221-0440*

### M2 Debug

Debugger for M2Amiga. \$100.00  
*A+L AG, Daderiz 61, 2540 Grenchen, Switzerland, (011) 416-552-0311*

### MetaScope: The Debugger

An application program debugger that provides a multi-window environment for you to observe and control the execution of your application program. It gives you sophisticated breakpoint and trace capabilities, full symbolic support, a direct to memory assembler, and much more. \$95.00  
*Metadigm, Inc., 19762 MacArthur Blvd. Ste. 300, Irvine, CA 92715, (714) 955-2555*

### O Debug

Runtime source level Debugger for Amiga Oberon. \$100.00  
*A+L AG, Daderiz 61, 2540 Grenchen, Switzerland, (011) 416-552-0311*

### Power Windows 2.5

A development tool that allows a programmer to interactively design a user interface—with menus, gadgets, custom screens, and multiple windows—using simple menu commands and mouse movements. Install the PW generated code in your original program and—\*ZAP\*—instant interface! PW generates code in popular versions of C, FORTH, Modula-2, BASIC, as well as MC68000 Assembler. \$89.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

### Simplified Amiga Library

Add-on library product for Benchmark Modula-2. Functions simplify creation of Intuition screens, windows, gadgets, and menus. Only one line of source to create any of them. Functions for double-buffered animation, bobs, sprites, speech, console, and device. \$99.95

*Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093, (214) 612-8204*

### Software From Hell

Software routines, libraries, and utilities for Amiga programmers. Includes all open/close individual/specific/stereo channels, start/stop/flush/reset audio channels, play: notes, frequencies, sampled sound effects; read IFF 8SVX sound effect files; many sound effects included in package. Also includes accurate time delays using Amiga hardware timers, track positioning, brush memory management, direct BLITTER access routines, and convert brushes to sprites. All source included with examples. All C source has been run through Lint for maximum portability among different compilers. Libraries provided in Manx Aztec C format. \$69.95  
*Conceptually Advanced Technologies, P.O.Box 3302, Santa Monica, CA 90403, (213) 452-1732*

### Software ToolKit

Manual and disk set which includes several utilities to assist developers with Amiga programming. WACK, Memacs, Debug, Keytoy, and more. \$25.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Source Level Debugger (SDB)

Interactive source-level debugger designed for fast response and ease in debugging. SDB lets user display all function action names; display values of passed parameters; examine values from any active function; customize the debugging environment with reusable command macros and procedures; use function or line-by-line tracing; set breakpoints by lines functions or variables; see actual C source as it executes; and more. \$125.00  
*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702, (800) 221-0440*

### Source Level Debugger and Tools

Add-on product for Benchmark Modula-2. Interactive mouse driven source level debugger, a post-modem debugger, execution profiler, source formatter, and other advanced programming tools. \$99.95  
*Avant-Garde Software, 2525 Preston Road., Ste 1613, Plano, TX 75093, (214) 612-8204*

### TASS 2.0

The modularity of TASS applications allows any TASS application to be used within any other TASS application. Thus, completed applications can be viewed as building blocks in a dynamic and ever-expanding application environment.  
*Mindware International, 57 Woodcrest, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

## ❖ VIDEO PROGRAMMING ❖

### ● ProlImage V1.21

ProlImage is a custom, menu-driven presentation program which displays and updates video text screens/digitized images/animations. It supports hi-res and HAM images plus DCTV and HAM-E. It can send IFF images, Anim-5 ANIMS to any remote site reachable by phone or satellite. A powerful script capability uses the system clock to control date/time showing of pages or anims, and there's even a menu to reset the clock. Transitions include cuts, blinds, wipes. You can change, add, or delete pages remotely without taking the system off-line, creating a seamless look to the program. Pages may be compressed for transmission, then extracted remotely. A demo video tape is available. AmigaDOS 2.0 compatible. \$149.00  
*Communication Systems Engineering, 4 Todd Rd., Nashua, NH 03060, (603) 883-0223*

### ◆◆ ProlImage V2.0

Similar to V1.21, but with the following enhancements: capable of programming serial-controllable devices (RS-232 or RS-422) such as VCRs, laser disc players, video/audio switchers, etc.; improved status messages from remote computer; more transitions. AmigaDOS 2.0 compatible. NTSC/PAL. RS-232 to RS-422 converter, specific device programming extra. Demo videotape available. \$349.00  
*Communication Systems Engineering, 4 Todd Rd., Nashua, NH 03060, (603) 883-0223*

### ◆◆ ProScreens Vol.1

A 'time-saver' disk filled with hi-res, full-color templates for use with ProlImage or other programming software. Enhance your community bulletin board 'look' with eye-catching templates, brushes with friendly animal characters, etc. All you have to do is type in your message text and/or logos. Use with any hi-res character generation or paint program. AmigaDOS 2.0 compatible. \$29.95  
*Communication Systems Engineering, 4 Todd Rd., Nashua, NH 03060, (603) 883-0223*

### Video-Link

A simulated remote control for interactive laser disc players and VCRs. May be run as a visible program or in the background. Full access from AREXX programs and hosts. \$49.95  
*Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826*

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## ♦ ♦ UTILITIES GENERAL ♦ ♦

### 1.3 Enhancer Kit

Workbench and Kickstart for 1.3. For Amiga 500, 1000, and 2000 computers. \$29.95  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### ♦ ALF-TOOLS

Software tool box with hard disk optimizer, speed test, undelete. NTSC/PAL. English/German manual. Workbench 2.0 compatible. \$35.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### AccelerDisk

This utility installs a bootable Fast File System onto floppies. Unlike other attempts to put FFS onto floppies, AccelerDisk provides consistent, reliable performance, and can be used on DFO to boot up. Increases storage capacity, and increases directory access speed at least two to three times. \$29.95  
MJ Systems, 1222 Brookwood Road Dept. 10A, Madison, WI 53711-3118, (800) 448-4564

### Amiga Multi-User Software

Allows the Amiga to serve multiple terminals with more than one window per terminal. Runs text-only CLI programs from the terminals. Multi-user database software available. \$120.00  
Conceptual Computing, 603 Castlefield Ave., Toronto, Ontario, Canada M5N 1L9, (416) 781-7742

### Ami...Alignment System

This program allows user to evaluate 3.5-inch disk drive alignment, speed, read-write performance, and other characteristics. All too frequently, users encounter error messages related to the disk drive. This program provides a means of diagnosing and correcting the problem. \$49.95  
Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964

### AutoKick

Modify A1000 Kickstart disks to use any floppy to boot from. Software autoconfig contiguous blocks of fastmem, increase available chip RAM. Install a font of your choice in place of Topaz-8 font supplied with Kickstart. Install code to prevent the spread of any boot-block virus. Speed up floppy operation. Full intuition interface; all operations selectable from gadgets. Runs from CLI or Workbench. Requires A1000, 512K, AmigaDOS 1.2 or 1.3. \$39.95  
DigiSoft, 12 Dinmore Street, Moorooka, Brisbane, Queensland, Australia 4105, (011) 617-277-3255

### B.A.D.

B.A.D. is a disk optimizer. Disk optimizing is a process in which a disk is reconstructed and organized in a manner such that the disk performs much more smoothly and quickly. The results of processing a disk are quite noticeable, as it is difficult to keep disks well organized. B.A.D. does not change anything on the disk, except the location of data. B.A.D. works with floppies and hard drives, and also supports multiple partitions. \$49.95  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

### Broadcast Titler 2 Font Enhancer

Convert any single color Amiga font to Broadcast Titler 2's four level anti-aliased format. The Font

Enhancer eliminates the jagged edges found in to five times less memory. Fonts can also be accurately resized to smaller sizes while preserving original detail. An entire family of fonts may be created from one Amiga font. \$169.95  
InnoVision Technology, 1933 Davis Street, Suite 238, San Leandro, CA 94577, (510) 638-8432

### CLI-Fonts

Provides alternate font styles and sizes for CLI and Workbench displays to replace the built-in Topaz font. Various fonts are provided with sizes from 60 to 106 characters per line. Will accept fonts built using the standard Amiga font editor, Fed. Transparent operation means compatibility with most software including text editors. Amiga 500, 1000, 2000. AmigaDOS 1.2, 1.3. Free updates. \$34.95  
Eraware, 2022 Onyx Street, Eugene, OR 97403, (503) 344-7684

### D.U.D.E.

DOS Utility / DOS Enhancer combines the power of CLI with the simplicity of Workbench. Up to twelve directory windows are visible at once so you can manipulate your files conveniently. Designed to use a minimum amount of precious RAM to maximize multitasking efficiency. Every aspect of the program can be customized to your needs and preferences. Includes a hard disk backup function. \$19.95  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

### ♦ DIGI-Mice

DIGI-Mice is a man-machine interface for the Amiga, for use in interactive hypermedia productions and performances. By emulating the mouse functions, DIGI-Mice software allows you to control virtually any video, music, or paint programs from the power glove. NTSC only, 68000 7MHz only, Nintendo power glove required, Workbench 1.3 or later. \$50.00  
Tensor Productions, 819 Gayne Avenue, Santa Barbara, CA 93111, (805) 683-2165

### DJHelper

DJHelper is a Preferences-like interface providing detailed control over all features of HP Deskjet printers. Four screens allow full specification of page parameters; selection of any typeface, character set, pitch or point; conversion and downloading of soft fonts; grayscale redefinition; free positioning of graphics; editing and downloading of Amiga and HP printer commands; complete control over the AmigaDOS command set; and more. Requires AmigaDOS 1.3—2.04, for any Amiga, and any HP Deskjet. \$50.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

### DisKwik 2.0

A complete disk editor and repair kit for the Amiga. Features include Edit in Hex or ASCII, search, restore deleted files, repair errors, checksum boot blocks, kickstart disks, and plus a lot more. Documentation describes disk origination and other aspects of AmigaDOS. Scans for errors. \$49.95  
Tigress, P. O. Box 665, Glendora, CA 91740, (818) 334-0709

### Diskmaster II

All the power of the bestselling original file/disk management utility, plus much more. DM2 offers resizable, movable, multiple file and command windows. Add or remove buttons and pull-down menus for a customized, optimized DMZ, and save all settings for automatic use. Auto commands to automatically de-arc, display or read files. AmigaDOS 1.3 and 2.0, and ARexx compatible. \$49.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### Doctor Ami...

Doctor Ami...is a memory and hard-drive diagnostic program that performs sophisticated, low-level tests on your system with an elegant interface, and simple controls and displays. Memory and drive errors are displayed, and mapped out of the system. \$49.95  
Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964

### Dunlap Utilities

A collection of over 40 interactive utility programs. Verify hard-drive errors, retrieve deleted files, and program your keyboard with macros. Bypass the Workbench or CLI with a better optimized, user-definable Amiga user interface. \$49.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### FastFonts

Set of utility programs designed to speed up text display. \$29.95  
Microsmiths, Inc., P. O. Box 561, Cambridge, MA 02140, (617) 864-8595

### Hermes IconLab 1.3

Make your own icons. All icon/brush options (icon to brush, brush to icon, etc.) available. Shows/draws/paints icons in two to 16 colors. Shows and loads all disk font. Reduces IFF pictures to icon sizes. \$34.95  
Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964

### Hyper Helpers

This package is a trio of ground-breaking, powerful programs that can make life easier for all Amigans. DOSHelp is a hyper-text based online help system for AmigaDOS (supports versions 1.3 and 2.0). LaunchPad is a user-configurable menu on Workbench: plug in the names of your favorite software applications, then select one from the menu and LP runs it, parameters and all. Run-N-Play is the do-it-all file requester. It plays sounds, shows pics, displays text files, launches executables, and more, all from one place. \$59.95  
INOVATronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

### ImageFinder

ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM or ANIM files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and file name of a selected image can be automatically entered in the file requester of an application. 512K required. \$65.00  
Zardoz Software, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945, (916) 274-8311

### ♦ Installation 1-3

Lets you effortlessly install libraries, printer devices, and preferences to any disk or hard drive. Requires A500/A1000/A2000/A3000, mouse. \$14.95  
Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia, 011-61-8-272-2302

### KickWork 2.0 + DOS 2.0

Single-disk boot for the Amiga 1000. KickWork combines KickStart and Workbench on one disk, providing Amiga 1000 users with a single-disk boot system. A one-disk software system for unattended applications. Warm boot with any other Workbench. Reboots automatically, does not have to be re-armed. Requires A1000 with at least 1MB of RAM. \$49.95  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334  
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# Utilities

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Last Minute Additions

## ● Mach IV

A keyboard and mouse enhancer that does much more than any other utility. Hotkeys play back keystrokes, mouse movements, and many special functions. Also includes a mouse accelerator, screen blanker, title bar clock, and much more. This 4.0 version runs only under AmigaDOS 2.04.

\$15.00

*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

## Multi-Prefs

This multiple preferences management tool lets you create, restore, edit, rename, sort, delete, or undelete all the preference settings you like. You can advance your printer paper to the top of the next page or toggle your Workbench screen between interlaced and non-interlaced mode instantly. \$29.95

*Soft-Link, Inc., P.O. Box 304, Coventry, RI 02816, (401) 828-9304*

## ● STU-Amiga System Test Utility

STU is a complete diagnostic for memory and disks. Will test up to seven disk devices at one time. Fully tests chip and fast memory. No other diagnostic does as good a job. NTSC/PAL. Runs on all models, compatible with 1.2, 1.3, and 2.0 AmigaDOS. \$29.95 plus \$3 shipping and handling. \$29.95

*Custom Services, P.O. Box 254, Moorestown, NJ 08055, (609) 654-7659*

## Spells-It-Right

An interactive spelling checker with 50,000+ and 90,000+ word, fast, memory resident, compressed, and main dictionaries. No copy protection for easy installation to hard disks. Automatically backs up original files. User dictionaries for storage of unique jargon, names, and acronyms. Guessing for misspelled words. Executable from Workbench or the command shell. Reads and writes ASCII files for compatibility to editors and most word processors. Money-back guarantee. Requires minimum of 512K, AmigaDOS V1.2 or later. \$9.95

*Advanced Software Engineering, P.O. Box 441, Sudbury, MA 01776, (617) 963-8394*

## Stuff-It

Create your own pull-down menus, each capable of sending a user-defined series of keystrokes to other programs just as if you typed them from the keyboard. Several menus have been created for you including one for the CLI and one for the Amiga editor-ED. \$39.95

*Soft-Link, Inc., P.O. Box 304, Coventry, RI 02816, (401) 828-9304*

## ◆ Super-DJC

Super-DJC is a greatly improved Amiga printer driver for all HP Deskjets, including the new color 500C. It features exceptional color correction, providing all 4096 colors, all 16 greys, and 8 shingling/depletion options. Greyscale images are also much improved. Superior text control includes Preferences access to all internal fonts; choice of Letter, Legal, A4, and Envelope; suppression of unwanted page feeds; enhanced AmigaDOS command codes; as well as 14 powerful extended commands. Requires AmigaDOS 1.3—2.04, for any Amiga, and any HP Deskjet. \$50.00

*Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082*

## ◆ TURBO-Print-Professional

Gives you more from your printer. Combine your graphics software with TURBO-Print. Perfect printing quality and speed for your entire range of software. Finely adjustable color correction for true screen colors. Special half-line mode for dot matrix printers minimizes horizontal stripes between printed lines and takes full advantage of ink ribbons. Exceeds your printer's limits; print your graphics using post mode recreating actual poster size. Two optional smoothing functions eliminate steps and edges. Enhanced smoothing function even gives rounded effect to fonts. Varied preferences in over four menus. No more problems with contrast or brightness thanks to variable gamma curve and 12 optional patterns. Hardcopy functions with picture save option prints or saves the frontmost screen, including sections. Interrupt printing any time with touch

of a button. High transfer speed to printer via parallel port reprogramming. TURBO-Print is reset-proof and functions unobtrusively in the background. Drivers for almost all printers. Ideal for matrix, laser, ink jet, and thermo printers in color or b/w. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$79.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ The Application Base System (T.A.B.S.)

Allows you to set up menus that directly access your programs or files. The item's command value contains the specific path, command, and arguments of the program. You can easily define each menu from the T.A.B.S. window or with a text editor. T.A.B.S. provides you with a very easy-to-use menu facility that requires no programming experience at all. Requires ARexx, IMB RAM, two floppy drives or hard drive. AmigaDOS 1.3 or 2.0 compatible. \$49.00

*Software Plus, 5254 Merrick Road, Massapequa, NY 11758, (516) 795-1400*

## ● The Disk Mechanic

A collection of utilities for AmigaDOS versions 1.2, 1.3, and 2.0. The package includes tune up, a disk optimizer, which can speed up disk performance by 400%. Also included is a disk repair program, a full-featured disk sector editor, a hard disk back-up utility, and a dozen CLI based utilities. The disk mechanic supports all Amiga floppy and hard drives and the fast-filing system. Requires 512K RAM. \$89.95

*Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045, (215) 337-8770*

## WShell

Replacement command shell that offers command aliases, resident commands, and piping. CLI compatible, and supports ARexx. \$49.95

*William S. Hawes, P. O. Box 308, Maynard, MA 01754*

## ◆ BACKING UP/COPYING ◆

### ◆ ALF-STREAMER-Software

SCSI streamer driver with ALF backup, undelete, hard disk optimizer. NTSC/PAL. English/German manual. Workbench 2.0 compatible. \$45.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### DEEP SCAN BURST NIBBLER

Copy an entire disk in order under 60 seconds. Works with one to four drives. Copy up to 81 tracks. Easy to use, icon-driven program. Full verify option. \$34.95

*Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110*

### EZ-Backup

Save up to 255 versions of each file. Eliminates the need to do full backups each time the incremental back-up disks begin to pile up. Features optional warning screen, volume label-checking, standard format, and individual file recovery. Multitasking. And provides archive-bit utilities. Not copy-protected. Free upgrades and telephone support. \$49.95

*EZSoft, 21125 Chatsworth St., Chatsworth, CA 91311, (818) 341-8681*

### ● EnCopy

A diskcopy utility for making backups of Ensoniq keyboard disks using the Amiga computer. The Encopy package will backup SQ-80™, EPS™, and VFXsd™, and SD-1™ 3.5-inch floppies. Requires WB 2.0 \$39.00

*Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225, (414) 435-4500*

### ● Express Copy 1.5

A hard disk backup utility which can copy directories and files to floppy disk at up to 1MB/min. Backup disks are standard DOS disks that can be used normally from both Workbench and CLI. Can fill a floppy disk with files from your hard disk in 45 seconds. Designed for effective multi-

tasking. Backup parameters can be saved in configuration files. Fully documented with a 65-page manual which includes a 25-page section with help and ideas on how you can better organize and manage your hard disk drive. New for Version 1.5 is support for the AE high-density floppy drive, extensive ARexx support, and a CanDo application to take advantage of the new ARexx features. AmigaDOS 2.0 compatible. \$49.95

*Express-Way Software, Inc., P.O. Box 10290, Columbia, MO 65205-4005, (314) 474-2984*

### FatTracks V2.0

An upgradeable nibbler, this backup utility will allow you to make archival backups of many of your protected software that uses non-standard DOS. FatTracks was designed to complement RawCopy. Over 400 parameters. \$59.95

*Micro Systems International, 1143 Monroe Street, Carleton, MI 48117, (313) 654-8402*

### FlashBack

Back up any hard drive to any AmigaDOS Service. Supports file-by-file and Image backups. Backs up non-AmigaDOS partitions such as A-MAX II or UNIX. Allows unattended, automatic backups. Back up to service or file on device for space conservation. Graphic, easy-to-use interface. Powerful pattern matching. Supports streaming tape backups. \$59.00

*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

### MRBackup Professional

Software only. Utilities backup capability to other drives, four floppies on your existing SCSI streaming tape. Has full ARexx implementation, 12- and 16-bit compression, AmigaDOS or fast disk formats. Also has built in utilities section for file manipulation. \$54.95

*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

### Project D

Integrated disk utility system. Includes The Backup Tool, disk copier. Copies most protected disks with parameters updated regularly. The Omni Tool, a special format copier, duplicates MS-DOS/PC-DOS, Atari-ST, CP/M, and Xenix formatted disks. The Editor Tool, powerful disk-editing utility, allows you to edit Amiga disks from AmigaDOS to MFM Catalog Tool; disk indexing utility helps keep track of personal, commercial, and public domain disks. \$49.95

*Fuller Computer Systems, Inc., 950 East Southern Ave., # 205, Mesa, AZ 85204 (602) 844-8709*

### ◆ Quarterback 5.0

Upgrades and enhancements to Quarterback are based on user requests. New features: integrated streaming tape backup, compression, new backup and restore options, optional password protection and encryption, Workbench 2.0 and full ARexx support. Improved features: increased performance, extremely fast floppy disk backup, new user interface with 3-D look, backup and restore up to four floppy drives, file selection versatility. Requires Kickstart 1.2 or later, and 512K memory. \$75.00

*Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716, (512) 328-6650*

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### RawCopy Version K

Ultra-powerful backup tool for your Amiga. Protects many of your favorite programs. Supports up to four 3.5-inch disks drives. Mouse-driven user interface. The only backup utility with over 400 parameters. \$59.95

*Micro Systems International, 1143 Monroe Street, Carleton, MI 48117, (313) 654-8402*

### SuperBack

Protect data stored on a hard disk, RAM disk, or network device. Select or copy any or all files or directories onto floppy disks. Data may be restored selectively by file, directory, or device. All features accessible from key commands or mouse. Clear screens and menus; concise manual, and in-depth tutorial with step-by-step back-up instructions. \$79.95

*Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600*

### The Reaper

With standard ASCII text parameter files, the Reaper can find shifted sector headers, find transposed sector header fields, edit MFM/GCR raw track data, and edit decoded track data. It installs on a hard disk and is not disk protected. Execute custom programs from parameter files and assembly language. \$39.95

Conceptually Advanced Technologies, P.O. Box 3302, Santa Monica, CA 90403, (213) 452-1732

### ◆◆ Ultra DOS Utilities Module 1

A high-speed whole hard drive backup with multifunction feature. Ultra DOS autoconfigures to multi-hard drive systems or multipartitions. Features a unique double-buffered file copy routine for lightning-fast copies. Supports up to 8.5MB of memory and a full Intuition interface, and fully supports multitasking. Does not monopolize the CPU to achieve its speed. You can back up files by creation date, wild cards, or with a point and click menu. Requires 512K and hard drive or dual floppy drives. AmigaDOS 2.0 compatible. \$19.95

Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650

### X-Copy Professional V3.3

Version 3.3 has many new features to include hard disk and file backup. All of the other features of the product have been updated as well. In addition, we are moving from a disk manual to a professionally printed user manual for the convenience of our users. \$69.95

Cachet Software, P.O. Box 65, Scotch Plains, NJ 07076-0065, (908) 322-2002

## ◆◆◆ CRYPTOGRAPHY ◆◆◆

### ●● LuCypher 1

Fast file encryption/decryption package with convenient Workbench interface for general file security and telecommunications security. Employs simulation of rotor-type crypto machine with 16-character key for high speed and solid cryptographic security. Upgradable to LuCypher 2. AmigaDOS 1.2-2.0 compatible. For sale in U.S. and Canada only. \$4 shipping. \$49.95

MegaM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

Please see display ad page 154.

### ●● LuCypher 2

Complete RSA public key cryptographic system based on prime number product keys up to 300 digits long. Fast and efficient implementation for Amiga (assembly language). Ideal as key management upgrade for LuCypher 1. Includes LyCypher 1. For sale in U.S.A. and Canada only. State-of-the-art telecommunication and file security. AmigaDOS 1.2-2.0 compatible. \$4 shipping. \$199.95

MegaM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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## ◆◆◆ DOS CONVERSION ◆◆◆

### 64 Emulator 2

Optional interface cable lets you use any Commodore 64 disk drive or printer. \$59.95

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

### ● Ambassador

Improves file transfer capability for both the bridgeboard and the Amiga in a transparent fashion. It is based on the product CrossDOS (MS-DOS file system), and is 100% software. No additional hardware to buy or install. The Ambassador provides enhanced bridgeboard features: Directly access the Amiga-connected floppy drives as MS-DOS drives from within most MS-DOS programs. Receive speed increase when using our version of the PC virtual hard drive partitions. It provides enhanced Amiga features: Access MS-DOS formatted media on Amiga drives. Access bridgeboard-created virtual hard drive partitions (such as MakeAB and JLink files). CrossDOS owner upgrades are available. Requires A2088 or A2286 bridgeboard or sidecar. AmigaDOS 1.3 or 2.0. NTSC/PAL, international and Danish/

Norwegian translation tables (for text) supported. \$79.95

Consultron, 11280 Parkview, Plymouth, MI 48170, (313) 459-7271

### ● CrossDOS Version 5

MS-DOS file system. The program allows the user to transparently access MS-DOS or Atari ST formatted disks from any application or utility including file requesters. CrossDOS fully integrates itself into the Amiga operating system. It will perform virtually all DOS functions on standard Amiga hardware. It uses standard Amiga-connected 3.5-inch and 5.25-inch floppy drives to read and write 180K, 360K, and 720K MS-DOS/AtariST disks. It will also access 1.44MB floppies with special drive hardware and will also access most MS-DOS formatted hard drives. CrossDOS includes utilities to format diskcopy, and check the integrity of MS-DOS disks. AmigaDOS 2.0 compatible. Packaged together with CrossPC in a product called CrossDOS 5.0 Plus for a limited time. \$59.95

Consultron, 11280 Parkview, Plymouth, MI 48170, (313) 459-7271

### ●● CrossPC

CrossPC is a software PC-XT emulator that runs many popular PC programs while multitasking with Amiga software. CrossPC emulates a PC-XT entirely in software—no additional hardware to buy. Emulates CGA or monochrome, and regards the parallel, serial, and mouse ports as PC devices. Runs on any Amiga with at least 1MB RAM using AmigaDOS 1.3 or 2.0. Also requires MS-DOS version 3.0 or higher. Packaged together with CrossDOS V5 in a product called CrossDOS 5.0 Plus for a limited time. \$59.95

Consultron, 11280 Parkview, Plymouth, MI 48170, (313) 459-7271

### DOS-2-DOS 3.5

Transfers files between MS-DOS, Atari, and the Amiga. Reads/writes and formats 5.25 and 3.5 MS-DOS disks and AtariST 3.5 diskettes. Converts ASCII file line ending characters and provides Wordstar compatibility. Query/replace options provide duplicate file name detection. Supports full directory path names, with wild cards in the file names, allows selection of MS-DOS and AmigaDOS subdirectory, and displays sorted directory listing. \$55.00

Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716, (512) 328-6650

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### MAC-2-DOS 1.1

Lets you read and write Macintosh diskettes on your Amiga, to and from 400K and 800K, using a standard Mac-compatible 3.5 external disk drive connected to your Amiga via the CCS interface. Converts MacPaint files to and from IFF and Mac ASCII files to and from Amiga ASCII. Other conversion options are PostScript, Macbinary, and standard binary. As it transfers files, MAC-2-DOS automatically transfers and converts icons for the files, or creates icons. \$99.95

Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716, (512) 328-6650

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## ◆◆◆ FILE MANAGEMENT ◆◆◆

### DFL-Demand File Loader

With Demand File Loader, no need to pre-load the RAM disk. Only copies files into the RAM disk when the need arises. Senses the need by using the search path or is solicited directly. Transparent to AmigaDOS in that files in the RAM disk may be accessed through it. Useable by CLI and application programs that can be told where to access files. \$50.00

Marketron Microcomputer Systems, 125 N. Allen Ave Ste. 324, Pasadena, CA 91106, (818) 584-0873

### Directory Opus

A full-featured, multi-functional directory utility. Opus provides all the standard dir util features such as two directory windows for file copying and deleting, renaming and so forth. Features include IFF pics, brushes, and ANIMS that can be viewed, sound files played, text files read, and

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Supra 500XP other sizes available.....Call

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GVP Series II HD8+ 120 mb HD.....\$629.00

GVP PC286 Emulator.....\$369.00

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Supra WordSync 52mb HD.....\$349.00

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G-Force 030/40mhz/4mb/240mb HD.....\$1699.00

GVP SIMM 32 - 4mb/60ns.....\$239.00

### Amiga 3000 upgrades

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GVP SIMM 32 - 1mb/40ns.....\$239.00

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SupraFAXModem V.32.....\$249.00

SupraModem 2400 Plus MNP 5.....\$125.00

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Toaster 2.0 Software Upgrade.....\$299.00

V2.0 Video Toaster.....\$2075.00

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DPS Personal V-Scope.....\$749.00

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Paula 8364.....\$14.95

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## Ampex Systems Inc.

5344 Jimmy Carter Blvd.

Norcross, GA 30093

(not affiliated with Ampex Corporation)



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Free estimates for repairs. Prices subject to change without notice. Shipping and Handling based upon weight of order and not percentage of cost. Defective items exchanged for same item only, return authorization required.

Circle 103 on Reader Service card.

### ◆ New Product Listing

● AmigaDOS release 2 Compatible (Vendor Verified)

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# Utilities

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executables launched, all simply by double clicking on the filename in the directory window. Opus is exhaustively configurable, with over 100 user-definable buttons and menus. Includes online help for all features (as well as for AmigaDOS error codes). It provides memory and CPU usage meters and an ARexx port, is iconifiable, and much more. Requires AmigaDOS 1.2 or higher. 1MB required. \$59.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

## Disk-Master

File management software. Allows you to view and manipulate up to 80 files and directories at once. \$49.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## ◆◆ Hard Disk Organizer (HDO)

This new menu program for the Amiga allows applications and games to run with a single click of the mouse. Each button can be programmed with up to eight AmigaDOS commands, so you can include the ASSIGN, SET, and CHANGE DIRECTORY commands necessary to run applications. Each button can also be assigned one of 10 different colors, allowing grouping of applications. Features include an unlimited number of buttons, AmigaDOS command compatibility, pause command (which allows multi-tasking programs to run before returning to HDO), Swap command (which allows button positions to be swapped to better organize applications), and Release 2-compatibility. New version 3.03 features include password protection, sleep command, user configuration menu, advanced users manual, and PAL compatibility. \$44.95  
*Display Systems International Inc., 147 West Main Street, Dayton, PA 16222, (814) 257-8210 USA*

## ◆◆ Mediator

A powerful multimedia file management system which supports all standard file manager tools. Will display back IFF pictures, animations, sound samples, SMUS music, documents, icons, fonts; launch programs, and execute scripts, etc. Fea-

tures: Powerful backup system, Optonica 'pop and roll' menus, online help, ARexx command set, dynamic typing, media spooling off disk for animation and sound samples, and user-editable macros. NTSC and PAL compatible. Looking for overseas distributors. Requires 1MB Amiga and two floppy drives minimum. AmigaDOS 1.3 and 2.0 compatible. \$50.00  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

## Quarterback Tools 1.5

Quarterback Tools maximizes the speed and reliability of your Amiga hard disks and floppy disks by repositioning your files to optimum locations on the disk, eliminating file fragmentation, and consolidating disk free space, achieving the fastest possible disk performance. Quarterback Tools recovers deleted files easily and safely and unformats disks you formatted by mistake. It searches the entire disk for errors, marks bad areas 'out of service,' and identifies affected files. \$89.95  
*Central Coast Software, Div of New Horizons Software, Inc., P.O. Box 164287, Austin, TX 78716, (512) 328-6650*  
**Please see display ad page CIV.**

## Workbench Management System V2.0

Allows user to set up and program an unlimited number of programmable buttons which can be assigned to any file. Buttons can be user setup vertically, horizontally, or even full screen. Also has built-in text editor, Rolodex, calendar, archiver, and more. \$49.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## ◆ Workbench Management System V3.0

Rewritten in assembly, WMS V3.0 adds a new dimension to one-click pushbutton ease. To the features of its predecessor are added drop down menus, hot key convenience, and flexible, user-defined button configuration in snap-to-fit window. Completely multitasking. You can even run multiple button-panels from WMS for greater

utility or security. Virtually unlimited number of resizable buttons allows you to organize applications in instantly accessible, labeled categories. Includes six companion utilities.  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## ◆◆ VIRUS PROTECTION ◆◆

### ● Anti-Virus

Anti-Virus is a virus protection software package with a unique feature that should stop the proliferation of any Amiga computer virus—a visual anti-virus bootblock. The visual bootblock displays the Anti-Virus logo on the screen every time an Amiga is turned on or warm booted. If a virus is present when the computer is started, the logo will not appear. Comes with a utility, vCheck, that monitors virus transmission paths. The utility is placed in the Amiga startup-sequence and monitors each disk placed in the user's Amiga. Also comes with vTrojan, the only Trojan horse protection utility available, and ships with a bootblock cataloging program. AmigaDOS 2.0 compatible. \$19.95  
*DeoWare, Inc., 12528 Kirkham Court, Ste. 11, Poway, CA 92064, (619) 679-2825*

### ◆ KDV V Version 2.04 1.15

This virus killer is useful for busy people. The check routine searches out both boot and non-boot viruses, and runs like lightning. Has good analysis routine which finds several unknown viruses. Recognises 60-100 viruses. Includes following good-quality tools: Hard disk virus brake to effectively prevent viruses from infecting your hard disk, background check to continually survey stored media such as changed disks, RAM, etc., and hard disk check for non-boot viruses. £12.50, shipping £3.  
*TUPsoft c/o Mike Hansel, P.O. Box 1785, Seven Hills West, NSW 2147, Australia*

### ◆ Master Virus Killer Version 2.2

Latest version of this virus killer (2.2) knows 152 viruses. All versions (1.0-2.2 and later) are shareware in U.S.A. and all countries except France, United Kingdom, and Germany for V2.2. Shareware price £5, shipping £3.  
*Xavier Leclercq, Vieux Chemin d'Ath No. 12, OB-7548 Warchin, Belgium*

### ◆ Zero Virus III Version 1.12

This virus killer can cope with about 86 boot viruses and 4 non-boot viruses. Has learning function which enables it to learn new boot viruses. Has hard disk check against non-boot viruses, but without learning function. An excellent killer. Shareware price more than £50, shipping £3.  
*Jonathan Potter, P.O. Box 289, Goodwood SA 5034, Australia*

*What's the best utility  
available for your  
Amiga?  
Amazing Computing*



# Entertainment

## 1990 College League Season Disk

Be the team of your choice as you compete in last season's NCAA Tournament. It comes complete with the actual teams, players, and statistics from the 1990 college basketball season. You must already own the College League Option Module for this disk to operate properly. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## 3 In 1 Football

Statistical simulation of College and Pro football. Includes over 300 College, Pro, and great past teams. \$39.99  
*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733*

## 3-D Pool

3-D Pool is different from other billiards simulations. One difference is that no cue stick is shown on screen. Instead of lining the stick up to the ball and shooting, with perhaps one or two angles from which to examine the shot, 3-D Pool does away with the cue stick and allows the player to rotate the table, providing unlimited angles of view for any shot. The cue ball is always in the center of the screen, and shots are made by lining up the object ball(s) with the cue ball. Players have complete control over the position of the cue, the amount and type of English on the cue ball, and the power behind each shot. 3-D Pool follows Monte Carlo, or European rules, instead of standard American regulations. Players in 3-D Pool can participate in practice games, two-player matches where they can take on a friend, or even in a tournament against computer players of varying skill levels. 3-D Pool also includes a demo game, and a special trick shot feature, where players can try to solve 20 of the most difficult and popular trick shots in billiards. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## 4 in one!

Easy but fun. Four new and different games all on one disk. Play Slotcars, a fast action game for one or two players. Or entangle your opponent in a maze of wires in CircuitMania, for one or two players. Then try your hand at ShufflePuzzle, similar to sliding number puzzles but using beautiful color pictures. Finally, Follow That Tune by watching the bouncing boy jump from pedestal to pedestal playing a tune. \$14.95  
*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

## ◆ 4-D Boxing with Tru-Motion

Designed by Distinctive Software Inc., 4-D Boxing uses actual human boxing motions, 3-D polygon graphics, and state-of-the-art animation to bring you fluid, lifelike, boxing movements. Create up to ten personalized boxers. Customize their skills and physical characteristics, and train them at your gym to build power, speed, and stamina as you fight your way up the championship ladder for headlines and prize money. For one or two players. Nine adjustable camera angles give every possible fighter or spectator view. Video replay and slow motion for review of action. Supports Amiga 500, 1000, 2000, 2500, 3000: 1MB req'd; Kickstart 1.2 or more req'd; joystick optional. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ 4-Get-it!

Strategy game in which the player must remove all tiles from the screen. By matching like tiles, the player can clear the board. With hidden, exploding, sticky, and even more special tiles, the job gets much harder as you move up levels. Utilizing 256 color graphics, stereo sound, and animated movement, this game is sure to cause many late night playing sessions! \$44.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## 4th & Inches

Joystick-controlled football simulation with spotter's P.O.V. from the press box. Players' energy levels decrease according to plays. You choose the starters. Each player has his own individual playing characteristics. \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## 4th & Inches Team Construction Disk

Used with 4th & Inches, assemble your own teams for play. Assign all the stats, sizes, and playing characteristics of each of your 4th & Inches players. \$9.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## 500cc Racebike Simulation

Rev up and roar off with this screaming simulation of 500cc road racing machines. This simulation offers full 3-D graphics with separated split screen perspective, sprite trajectory calculation, and speeds in excess of 200 m.p.h. This is the real thing; you will be on the track, you will have to race your opponents, and you better be good! Test the nerves of another player, or challenge the six computer-controlled bikes across a choice of 12 genuine Grand Prix racetracks. Choose your bike and tune it up to perfection by modifying transmission, suspension, and tires. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## 688 Attack Sub

Players experience the actual dilemmas faced by modern submarine commanders. In peacetime, players hunt and dodge foreign subs while trying to avoid ambiguous gestures that could lead to a shooting match with an opponent. You walk the razor's edge between practicing for war and actually starting one! As cold war turns into full war, missions become increasingly dangerous. Players stalk ballistic missile submarines, attack enemy convoys, and duel other hunter-killers to the death. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ABC's Monday Night Football

Experience the gut-wrenching action of the gridiron. Hear the plays called by Frank Gifford. You're the quarterback-setting the formations and calling the plays. You can play offense and defense, plus a complete kicking game, including field goals, punts, kickoffs, and extra points. \$49.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Abyss

An unusual arcade/strategy game with colorful, scrolling graphics, and amusing sound effects. Score points by guiding the 'hustle-sweeties' into the abyss and locating the life-giving liquids. Work through mazes, avoid traps, and hostile attacks. Requires 1MB of memory. \$39.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650*

## Action Fighter

You are Super Rider, assigned to carry out five dangerous air and ground battles in this Sega arcade game. You're riding a motorcycle, but if you find the right parts along the road it transforms into a supercharged sports car or state-of-the-art airplane. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Action Stations

An extensive and detailed look at the surface officer's art of war at sea from 1922-1945. The program offers 30 ready scenarios, a scenario builder, and 180 plus ship/unit classes. Ship detail includes 42 hit zones and 14 armor locations. As many as 49 ships in one scenario. Requires 1MB. \$49.95  
*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

## ◆ Action Stations Scenario/Utility Disk

To be used in conjunction with Action Stations; includes two utilities (swap-add program and generate program), 28 additional ship classes, and 13 new scenarios. Includes 3.2 upgrade disk. \$21.95  
*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

## Adventures Through Time, Vol. I: The Scavenger Hunt

Scavenger Hunt is an animated text adventure game, in which you become Buck Walker, the son of a 21st Century time traveler. Journey into the past in search of five historical artifacts to become the winner of the first scavenger hunt throughout time. Features include overscan graphics, multitasking, mouse/keyboard shortcuts, an advanced text parser, and smooth animation. \$49.95  
*Aurum Software, P.O. Box 5392, Ventura, CA 93005, (805) 659-3570*

## Adventures of Willy Beamish

From designer Jeff Tunnell comes an original adventure comedy which may well become the benchmark of computer animation. Adventures of Willy Beamish boasts hilarious insight and light-hearted 3-D animation with a sensational music card compatible soundtrack. Adults and kids will love Willy's zany antics, his peculiar family, and the host of geeks, freaks, animals and creeps. \$59.95  
*Dynamix, division of Sierra On-Line, 99 W. 10th, Ste. 224, Eugene, OR 97401, (503) 343-0772*

## ● Aegis Capitalism

Time for The Donald to step aside; there's a new kid on the multi-million dollar block—you! This is an exciting empire-building game, where you compete against up to five other players in creating the ultimate corporation. More than three years of research went into the business end of this incredible game. Even play via the modem, or a null-modem local connection. Choose to run your corporation in the U.S.A., Mexico, or Europe! Combines more than 20 arcade-style sequences with intense strategy! Workbench 2.0-compatible. Price TBA.  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

## After Burner by Sega

Pilot an F-14 Tom Cat through a variety of exciting rescue missions in the home-computer version of Sega's arcade smash hit. Feel the power and the rush of being airborne as you control air speed, flight direction, and weapon selection. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Agony

From the programmers of Unreal comes a new adventure full of magic, mystery, and mayhem. As Leffly, heir to the secret of universal energy, you will fight your way through six agonizing levels of magical mayhem. Confront your chilling challenges in human form, take flight as an arcane owl, or battle your enemies in the form of a gruesome ghost. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Airball

The Evil Wizard has turned you into an Airball—with a slow airleak. You must search over 300 rooms to find the spellbook, which contains the ingredients needed to turn you back into a human. Hurry, before you run out of air. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Airwave Adventure: Murder Makes Strange Deadfellows

Dark clouds gather like mourners at the ancestral home of Randolph Steere, patriarch of the Steere family. As the mighty fall, so falls Randolph, right

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Last Minute Additions

down the staircase within his mansion. But, he really left the world five years ago when he lost his wife Irene. Strange stories have grown up around this ominous place since Randolph secluded himself here and no one can say what will happen now! Try to discover Randolph's last wishes and find out if ghosts really walk in Steer manor in this comedic thriller. Available for CD-ROM, NTSC/PAL. See CDTV section. \$49.95  
*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282*

## Airwave Adventure: The Case of the Cautious Condor

Tiger Media's breakthrough interactive mystery is now available for the Amiga! Explore hundreds of images, hours of audio, and thousands of possibilities. Can you discover the solution? Join Ned Peters, detective, and a colorful cast of suspects on board the 1937 maiden voyage of the Condor. You have 30 minutes to solve the crime on this thrilling flight into history and murder. Available in PAL/NTSC. See CDTV section also. \$49.95  
*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282*

## Alien Drug Lords

In this role-playing game, your mission, as a special agent from the Celestial Investigation Agency, is to discover the secrets of the Intergalactic Benevolent Corporation. A deadly drug, Xylopsiline, has pervaded the atmospheres of several enclosed cities. The only antidote is produced by the IBC. How do they make it, and why are so many city atmospheres suddenly poisoned? Your mission is to penetrate the security of the planet that the IBC has in its grip, obtain the antidote, and destroy any stocks of the drug. \$60.00  
*Panther Games, P.O. Box 5662, Derwood, MD 20855*

## Alien Syndrome by Sega

Aliens have taken over an out-colony and are holding your friends hostage. In this Sega arcade game, you'd better move fast-because soon, a time bomb will get all of you. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Altered Beasts

Summoned by Zeus, God of Thunder, you have been awakened from the dead to challenge the wicked Neff, God of the Underworld, for the fate of Athena. You are the Altered Beast bestowed with five formidable forces of transformation — each more ferocious, more overwhelming than the last. In this worldwide arcade hit you destroy Grave Masters, Chicken Stringers, Cave Needles, and other treacherous foes. \$39.95  
*Sega, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Altered Destiny

P.J. Barrett's intentions to spend the evening watching a film festival on television with his steady girlfriend are drastically changed. The moment he settles down with his popcorn in front of his television set, he is literally sucked through the screen, popcorn included, into a fantastical alternate world unlike any he could have ever imagined. In this other world P.J. meets JonQuah, who sends him on a mission to find Helmar, JonQuah's twin brother. Helmar has been corrupted by a jewel whose powers are destructive and are slowly destroying their universe. P.J. must search this strange world to find Helmar, ultimately separating him from the jewel and returning it to its rightful place. If P.J. fails, this world will not only cease to exist, but he will be unable to return to his own. \$59.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Amazing Spider-Man

Mysterio, the master criminal and illusionist, has kidnapped Peter Parker's wife, Mary Jane. To rescue her, Peter Parker calls on his alter ego, the Amazing Spider-Man. As the famous web-slinger, you'll invade Mysterio's lair to battle the supervillain's robotic guards, tricks, and traps. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Amegas

Amegas is a fast-paced game written to take full advantage of the Amiga's amazing speed, graphics and sound! Bounce, shoot, slam, and juggle your way through 40 challenging screens. Every screen has its own surprises and it will take quick reflexes to deal with all the action, sounds, and sights! \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Amnios

Amnios is a Symbiotic Construct of Machine-Mind and Biology. Each element is a disparate cell in an organism sharing one consciousness and purpose: to eradicate the malignancy that threatens all of Life. Controlling a tiny ship, you fight your way through each of ten deadly living worlds trying to either destroy the planet's vital organs or rescue a given number of encapsulated humanoids. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Apprentice

Jump 'n Run Adventure! Lots of levels, including hidden levels and rooms, which can only be entered after solving different puzzles. \$29.95  
*Innerprise Software, Inc., 1818 Pot Spring Road #30, Timonium, MD 21093, (410) 560-2434*

## Aquaventura

Multi-level arcade game that moves solid objects on a fully featured smooth scrolling 3-D playfield at phenomenal speed. A product that stretches 16-bit technology to its limits in graphics, sound, gameplay, and cubic destruction. Includes original design T-shirt by Roger Dean. \$49.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Arachnophobia

Disney has combined arcade action and strategy games in one exciting outing with Arachnophobia. Playing off people's fear and dread of spiders, you can wipe out a hoard of highly venomous South American spiders using flamethrowers, bug-bombs, and insecticide. If you are able to outwit these dangerous fiends, you'll earn a top secret assignment in South America where you will face the ultimate eight-legged challenge. Arachnophobia takes you through thousands of locations in your search for these eight-legged demons. Eight levels of increasing difficulty and 12 different varieties of spiders will challenge even the best game players. \$39.95  
*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## Arcade Action Pack

The Arcade Action Pack is a five-disk compilation of 16 of the best public domain and shareware arcade games for the Amiga. This select set contains Air Ace 2, Amoeba Invaders, Bally V, Crackout, Defender, Downhill Challenge, Drip, Fortress, HeadGames, HueyRaid, MegaBall 2.0, MiniBlast, Missile Command, Nebula, MoonBase, and Trek. Available direct and through computer retailers. Requires one floppy drive. 1.3 and 2.0 compatible. Runs on any Amiga. Other sets available. Call for details. \$14.95  
*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133, (216) 582-0910*

## Armour-Geddon

Post Holocaust: A powerful crazed entity desires control of earth. They develop an energy beam and intend to bounce it off a custom built satellite back to earth. All unprotected life will be wiped out. You select and control up to six diverse hi-tech vehicles at once in a race against time to seek and destroy enemy power lines and eventually knock out their beam generator. Build up your arsenal by collecting enemy resources to help develop and create your own new weapon systems. Featuring smooth scrolling, 3-D heads up displays and head-to-head serial link enabling 'being there' realism between two players. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Arthur: The Quest for Excalibur

In Arthur: The Quest for Excalibur, players get the chance to fulfill their destiny as they assume the role of the youthful Arthur on a quest for Excalibur, the legendary sword that will make him King of

England. Arthur brings Arthurian legend to life with rich, evocative prose, mythic characters, and more than 100 captivating graphics evoking medieval England. As an owl, salamander, turtle, or badger, players can go places and do things that would otherwise be impossible. How players use this power, and how they solve the myriad puzzles that confront them, will determine the success of their quest. \$29.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500*

## Artura by Arcadia

Arcade adventure in days of old! As Artura, you must maneuver the mystical wheel of Cerridwen to rescue Nimue, the beautiful keeper of the secret of the lost ancient treasures, from the stronghold of the evil half-sister, Morgause. Overcome ghouls, spiders, soldiers, and giant rats to find the mystic rune stones which will help your quest. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Atomino

A brain-teasing game, featuring an orchestrated stereo soundtrack, and offering crisp graphics and intuitive gameplay. In this innovative hybrid between dominoes and an electronic brain-teaser, you play the role of a mad chemist. Your objective is to form molecules from the atoms which spontaneously generate in your test tube. However, the road to this deceptively simple goal is littered with increasingly difficult restrictions, including specifications on the finished molecule's size, the shape of your creations, and the omnipresent ticking of the clock. Over 60,000 levels. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Aussie Joker Poker by Joker Software International

A computerized card game where the computer acts as dealer and croupier, while up to 90 players compete against one another. Purchasers who believe they are among the top 25 poker players are able to play in a special competition mode and may enter their scores for consideration in an Aussie Joker Poker Hall of Fame. \$14.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Autoduel

Build the biggest, baddest, heaviest armed car you can to carry out an FBI mission. An adaptation of Car Wars, the package includes one disk, a road map, driver's handbook, and a tool kit. \$39.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Awesome

From the creators of Beast and Beast II comes this awe-inspiring combination of shoot-em-up action and trading stratagems featuring innovative hyperspace stations, full screen aliens and a whole galaxy to explore. You need tons of fuel to escape from your exploding galaxy. The only way you can get it is through trading missions on behalf of the Federation. Fighting off waves of pirates, attacking police convoys and dancing with death to mine asteroids while facing colossal creatures and a horde of aliens before you get planetside. Make it to the surface, and you still have to get safely inside the station complex to get access to the time/warp navitron for navigation directives and to begin the trading necessary to acquire the supplies and resources that you need to continue. Awesome takes you beyond the final frontier. Roger Dean designed T-shirt included in each package. \$59.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Awesome Arcade Action Pack

Three great arcade games: Sidewinder, Captain Zed, and Blasta Ball. In Sidewinder, you'll pilot a spaceship through 3-D scrolling screens to kill the alien Star Killer. Captain Zed leads you through 14 levels of attack from vicious Xenon aliens. Blasta Ball is 37th century ice hockey. \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## B.A.T. (Bureau of Astral Troubleshooters)

A new case has to be solved by the B.A.T. agents. Vrangor, an evil genius, together with his accomplice Merigo, are threatening the people of Selenia. Unless they leave the planet, Vrangor will destroy them with bacterial warheads. You have been selected to destroy his plans by eliminating him and restoring peace to the Universe. Explore over 1100 different fascinating locations and meet characters from seven different species. Learn how to utilize B.O.B., the computer implanted in your arm; pilot the DRAG, a genuine flight simulator, across the arid desert; and enjoy the futuristic atmosphere provided by outstanding graphics and sound effects. Distributed by Electronic Arts. \$49.95

UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749

## BASICFootball

A football game that features classic music, speech synthesis, and amazing animation all done in AmigaBASIC. BASICFootball lets you select your offensive and defensive coordinators. Keep track of turnovers, special teams, running and passing statistics so you can make those crucial halftime adjustments. BASICFootball is two games in one: you can play against a friend in the two player version, or play against a computer programmed to attack any opponent with a relentless offensive and defensive strategy. BASICFootball's program code is available for learning every phase of BASIC programming. \$29.99

Mahoney Software Products, P.O. Box 2962, Newport News, VA 23609-2962, (804) 591-9330

## Back to the Future II

Combines five adventures—three arcade action arenas plus two logic puzzle levels—that challenge your intellect as well as your reflexes. In order to survive Biff and the boys, Marty needs to grab as many weapons and energy boosters as possible. Marty and Doc venture through famous scenes from the hit movie like the Hill Valley Hoverboard fiasco and the Enchantment Under the Sea dance. Travel through time, via your Delorean, to 1955, 1985, and 2015. Encounter all your favorite characters including Doc, Jennifer, Biff, and Griff. \$19.95

Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support

## Back to the Future III

Back to the Future III offers progressively difficult action set in the Old West. Each level is inspired by famous scenes from the movie—so you may have the edge if you've seen it. As players assume the roles of Marty McFly and Doc Brown at various stages of the game, it's up to them to return everyone safely to their own time. But Buford 'Mad Dog' Tannen isn't going to make it easy. Gamers encounter a buckboard chase, shooting gallery, pie throwers, and a harrowing train chase. Players assume the role of Marty and must balance their way along the top of a speeding train collecting speed logs and avoiding Buford's gang. \$19.95

Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support

## Bad Dudes

This arcade hit thrusts you into a modern day mission to rescue the President from a ruthless kidnapper—the Dragon Ninja. As Blade or Striker, you take to the streets. But the Dragon Ninja is ready for you. He sends wave after wave of relentless ninjas and enemies to stop you. In the end, you can take on the Dragon Ninja himself. \$44.95

Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Balance of Power

Takes all the features of the original award-winning game and adds numerous enhancements to reflect the current amplified state of world affairs. Be a superpower leader in this nuclear-age strategic simulation pitting the U.S. against the U.S.S.R. \$39.95

MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## Balance of Power: The 1990 Edition

Experience firsthand the pressures and challenges of global leadership in the updated and expanded version of Chris Crawford's award-winning geopolitical simulation. In the U.S.A. or as the general secretary of the U.S.S.R. Strike the right balance between forcefulness and cooperation, and you accumulate world prestige—without creating nuclear holocaust. \$49.95

MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## Bandit Kings of Ancient China

Bandit Kings takes place at the turn of the 12th Century. It is based on an ancient Chinese legend similar to that of Robin Hood. Good men have been cast out of the Empire by the evil Minister of War, Gao Qiu, and fled to the countryside. Their goal is to gain strength to right the wrongs that occurred and restore the glory of the Song Empire. It is a combination of role playing game, war game, and management game. The final enemy is Gao Qiu, the evil Minister of War. If you can destroy him, you have destroyed the evil force corrupting society and the game is over. But beware...it is not as easy as it sounds. \$59.95

Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200

## Bane of the Cosmic Forge

The truest simulation of FRP. From its novel-like plot to its calculated die rolls, Bane of the Cosmic Forge offers uncompromising variety: 11 races, 14 professions, weaponry, physical and academic skills, a researched armament 400 items strong, six spellbooks, and 462 spell combinations. Full-screen animated graphics and digitized sound intensify the gaming experience. Requires 1MB, disk drive. Hard drive installable. AmigaDOS 2.0 compatible. \$59.95

Sir-Tech Software Inc., P.O. Box 245, Ogdensburg Business Center, Ste. 2E, Ogdensburg, NY 13669, (315) 393-6633

## Barbarian II

Barbarian II brings Hegor the Barbarian into the '90s. Hegor must fight his way through the dark forest near the village of Thelston. Then he has to proceed through the barbaric landscape dodging deadly traps and dealing with dastardly enemies before entering the final conflict with Necron, deep within the evil Temple sanctuary. Your mission is to find and destroy Necron before he completely destroys the land and overruns the human race. \$44.99

Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

## Basketball-The Pro Game

Statistical simulation of Pro basketball. Includes a stats compiler and over 100 teams. \$39.99

Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733

## Batman the Caped Crusader

It's two exciting games in one. Now you can thwart the Penguin or the Joker and crack the world's most baffling crimes as Batman, the Caped Crusader. First, a flock of web-footed warriors, then a barrage of bomb-throwing buffoons. This could only be the diabolical doings of you-know-who... an umbrella factory? Robotic penguins? Looks like the infamous jailbird's out again on another felonious fling! Can you locate the Penguin's master computer? Clip his wings and pull the plug on his squawking thugs. Quick to the utility screen! Batarangs! Batgrenades! And a banana, for boosted crime-fighting energy. A booby-trapped funhouse? A circus of clones? The crown prince of crime is about to deal his most heinous hand ever! Can you rescue the imperiled Robin? Dethrone the Joker and defuse his troupe of doomdays duplicates? \$44.95

Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Batman: The Movie

The Joker's out to take over Gotham City, and only you can put an end to his callous capers. As Batman, you'll meet your enemy in the most dangerous places—the chemical factory, the mansion, and in your final showdown at the dizzying heights of the bell tower. Superior sound and graphics put you in control of Batman's deadly arsenal—the Batmobile, the Batwing, and the

Batarang. You'll drive, run, fly, and battle your way to destroying the Joker. \$44.95

Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Battle Chess

Animated chess pieces fight over the squares. Pieces represent medieval figures. Colorful animation and digitized sound can be toggled on/off. Strong chess algorithm for those who want to concentrate on the game. See CDTV section also. \$49.95

Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001

## Battle Chess II: Chinese Chess

Cannons thunder, chariots race over grassy fields, and dragons hurl fireballs at opposing forces in the latest animated strategy game from Interplay. Watch as dragons toast hapless knights, counselors flatten pawns with enormous mallets hidden in their robes, and cannons merrily blast away at opponents cowering behind other pieces. Recommends best move, and shows legal moves. Multiple difficulty levels, 2-D and 3-D viewing modes. Price TBA.

Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001

## Battle Command

An arcade strategy game where the North/South divide is a life-threatening issue—the Ultra War. Ten years on, the latest phase of this siege has culminated in a World War I situation arising, and a stand-off between armies massed over a long dug-in battle front. You must succeed where other elite troops have failed, and strike a blow for freedom against the oppressive Southern Forces. Brains and priceless military hardware are your only protection. Over 15 missions, four Weapon Pods to stockpile with lethal devices, and a detailed manual included. \$34.95

Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525

## Battle Isle

In a world essentially composed of islands, you are Chief of State and have complete control over the armed forces. Your goal is to attack the islands and capture the most terrain possible. To carry out your mission, you have at your disposal a port, an arsenal, an airport, train stations, factories, an army, a navy, and an air force. Each one of these forces is mobile and can accomplish the strategies of your creation. Careful, you must take into consideration the variables of the terrain: coral reefs, the height of the mountains, etc. While defending your strategic points and energy supplies, transport units and repair warehouses; demolish those of your enemy and render him helpless. Show no mercy! The time for confrontation has arrived! \$49.95

UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749

## Battle Squadron

One- and two-player modes, vertical and horizontal scrolling, and chameleon enemies who become almost invisible as they mimic the background terrain. Battle Squadron delivers a unique, 3-D futuristic gaming experience. Earth forces in 2400 A.D. have traveled through space to retaliate against a devastating Barrax Empire attack. You're in command of an Earth space cruiser, dodging and darting across alien terrain, facing dozens of whirling air enemies, and challenging intense fire from ground emplacements. \$39.95

Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093, (410) 560-2434

## BattleTech: The Crescent Hawk's Inception

Authentic BattleTech combat is yours to command. Exciting, animated role-playing action. All new, richly detailed story set in the world of the Successor States. Emotive outtakes in the Japanese-comics style increase the realism. Plan your own battle tactics, or let the computer determine strategies for you. Your BattleTech package contains the game disk, Player's Guide, Weapon and 'Mech Recognition Guide, and full-color poster. \$29.95

Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500

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## Battlehawks 1942™

The blood-red Rising Sun on the tan flight deck of the Akagi rushes toward your windscreen as your SBD-3 Dauntless dives through the flak—3,000 feet! 2,000 feet! Bombs away! In Battlehawks 1942™, you'll fly historically accurate missions in realistic U.S. and Japanese fighters, dive bombers, and torpedo planes in four carrier battles of the Pacific war. True-to-life flight dynamics and instant replays make this a thriller. \$49.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

### ◆ Battlestorm

The ultimate shoot 'em up. There is currently a state of emergency on all frontier worlds. The Kalomarian enemies led by their state-of-the-art vessels, the starships Battlestorm, are taking over the galaxy. Destroy squadrons to retrieve the vital Shield pods, annihilate mother ships to acquire Equipment pods. All of these will protect you against the enemy's powerful attacks and provide you with more sophisticated weaponry. You'll need all the help you can get if you are going to destroy the Battlestorms and launch your final attack on their headquarters. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

### ● BeBop 'N Drop

BeBop 'N Drop is a graphical puzzle game, the next generation of the popular shareware game Obsess-O-Matic. The object is to fit falling pieces together forming horizontal rows, which then disappear off the board. If the pieces reach the top of the board, the game is over. Fifty one-player and 25 two-player game boards are organized for tournament or single board play. Each board has a unique shape containing tricks, traps, and possible secret solutions. Board utilizes piece sets, where shapes, color graphic bitmaps, digitized stereo sounds, and animations vary. Special effects such as the pile driver, firestorm, and the column fillers add enjoyment to game play. Produced by Electronic Horizons. NTSC/PAL compatible. AmigaDOS 2.0 compatible. \$34.95  
*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815*

### Berlin 1948

An atom bomb is set to vaporize West Berlin and time's running short. Everyone says you're the best undercover man in the agency...now you have to prove it! Roam the war-torn streets of Berlin, stopping in bookstores, nightclubs and the cinema to try and unravel the plot that threatens world peace. Taxi through each sector, trading cigarettes, questioning suspects, making friends and enemies, and searching for the doomsday device.  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

### Beyond 2400 A.D.

Step into the blistering action and strategy of futuristic urban combat in this space age, role-playing adventure game. As a new arrival on the planet XK-120, you are chosen by the beleaguered underground resistance to lead the revolution against sinister robot oppressors and restore freedom to the city of Metropolis. Smooth-scrolling, state of the art graphics with a slightly tilted, top-down perspective. Provides a large, detailed city with nine levels and a huge underground passageway system. \$29.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

### Beyond Dark Castle

Return with Prince Duncan as he ventures on a mission to conquer his mortal enemy, the Black Knight. Players find themselves back in the dreary, damp castle and they must combine their best strategic tactics with quick action in an all-out adventure. A sequel to Dark Castle, this title features third-person perspective where players are continually challenged with animated creatures and seemingly inescapable castle rooms. \$29.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500*

### Big Business

Big Business is a humorous, wacky simulation of a large manufacturing corporation. Three players, each starting off with equal assets and marketing the same product, compete to acquire the greatest net worth by the end of the game. While some aspects of the game are strictly for entertainment, the core of the program is a very accurate economic model. Options: total of three players can compete; loading and saving of game status; print capabilities, etc. \$49.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

### Bill & Ted's Excellent Adventure

For a hilarious, time-warped trip through history, it's Bill & Ted's Excellent Adventure, a fully-animated arcade action game recreating all the fun of the hit movie. It's a bodacious romp in search of famous dudes—Napoleon, Socrates, Genghis Khan, Freud, Joan of Arc, Lincoln, Einstein, and more—it's a quest to pass that most heinous history exam. Digitized photos and sound from the movie add to this outrageous adventure. See CDTV section also. \$49.95  
*Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040*

### Bill Elliott's NASCAR Challenge

Choose from six official banked NASCAR tracks of Daytona, Atlanta, Bristol, Darlington, Michigan, and Talladega, or the twisting road courses of Sears Point and Watkins Glen. Then prepare to race using track condition information to adapt your stock car by adjusting engine type, tire stagger, spoiler angle, and gear ratio. Players can review their driving skills with a VCR instant-replay mode which allows players to record their action (crashes and all) from six different camera positions and play it back. Authentic racing features include a dash board with damage warning light, tach, fuel, oil, and temperature gauges. A leader board shows your best and current lap times, number of laps raced, your position, and how far you are behind the leader. \$49.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

### Bingo Parlor

Talking bingo game for one to 10 players. Menu choice of game, speed, voice. With 320 x 200 resolution. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583*

### Bionic Commando

For two years, your people have struggled against invading forces. With your army reduced to a handful and your artillery depleted, further resistance seems impossible. But in a hidden underground laboratory, a team of scientists has at last perfected a new kind of fighting machine: a bionic arm that extends and contracts, providing unheard of strength and maneuverability. Combined with an arsenal of rapid-fire, armor-piercing, and heat-seeking weaponry, this will put the power of an entire army in the hands of one man... one carefully chosen soldier, who has what it takes to become a new breed of unstoppable commando... a Bionic Commando. You are that soldier. \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

### ◆ Birds of Prey

By Argonaut Software. NATO and Soviet forces in an all-out war campaign. Armed with 40 front line aircraft, your mission is to devastate the enemy's land, sea, and air forces while protecting your own. But your enemy is unpredictable and constantly on the move, repairing and replenishing his forces, and carefully planning the next attack. Accurate flight dynamics and weaponry let you experience every aspect of modern air combat. Play 12 individual scenarios or an ongoing war campaign of integrated missions. Choose from NATO or Soviet forces; view the action from allied or enemy aircraft at any time.  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### Black Crypt

Long ago, four guardians wielded their mystic weapons and powers to vanish the dark lord, Estoroth, from the known world. In sealing his fate, they sealed their own as well. The guardians

and their mystical artifacts were lost forever, but the world was safe. As time passed, evil began to spread and hideous monsters from the past returned—the people knew Estoroth was near. As you enter into this world, you will lead a brave band of adventurers on a quest to retrieve the mystical artifacts—they may hold the power of the Guardians and the last hope for the world. The Black Crypt is a fully animated dungeon adventure with a unique twist to Point-of-View perspectives. Watch through your character eyes as you explore both the wilderness above and the dungeons below. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### Black Gold

Go into the CEO's office of a major international oil company where you make all the decisions that affect your company's future. You'll search the globe for profitable offshore and land-based oil concessions, studying expert surveys, tracking your competition and drilling for oil. Play three computer opponents or up to three friends; select a quick game for a few hours of fun, or a long-term battle for survival that takes weeks to complete. \$39.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

### Blackjack Academy

Learn and practice the basics of Blackjack. Five-player card table, dollar amounts up to \$9,999, on and off card toggles. Use multiple table rules (Reno, Las Vegas, Atlantic City) or customize your own table. Pull-down help menu, color selectability, play strategies, game save, and retrieve. Also includes quick reference card to help you make the best decision. \$24.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

### Blitzkrieg at the Ardennes

A WWII Battle Simulation game with full color graphics and digitized sound. Includes German saboteurs, artillery supply, terrain effects, paratroopers, play customization, weather, fuel dumps, aerial bombardment. Requires 1MB. \$49.95  
*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

### Blockout

A 3-D challenge of thought and skill. Maneuver, rotate, and position various 3-D blocks, as they fall into the playing pit. Fit them together to form complete layers that disappear giving you more room to work. Options allow you to change the size of the playing pit, the block shapes, and the speed of play-making for literally thousands of combinations. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

### Blue Angels

Flight simulation. You perform over 25 actual air show maneuvers in three types of air shows and earn a place on the pilots Hall of Fame. \$29.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

### ◆ Boom Box

A new, exciting interactive music program that puts you in control of the freshest Rap grooves. Boom Box transforms any Amiga into a 'beat box' and features a totally interactive Remix screen to add echo and effects to the pre-recorded Rap grooves included. Or, play along in Jam Mode, triggering heavy guitar samples, screams, turntable scratches, and assorted sound effects in real time, right from the computer keyboard. Requires 1MB RAM, Workbench 1.3 or 2.0. \$59.00  
*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

### Bowling

Bowling action game. Player uses the mouse to throw the ball. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583*

### ◆ Bravo Romeo Delta

Real time nuclear war simulation. Player controls the strategic forces of the U.S. or the Commonwealth. Extensive database on nuclear arsenals

and strategic targets. Comprehensive manual includes unusual source material for background information. Requires 1MB. \$59.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

## Breach

One player tactical squad combat game. Includes intelligent opponents, multi-level combat areas, many pieces of equipment, and several combat scenarios. Includes scenario builder. \$39.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423, (203) 678-7679*

## Breach 2

Lead your squad of space marines into man-to-man combat in alien jungles, man-to-alien combat aboard hostile spacecraft, and wherever else your imagination can take you. Omnitrend's classic tactical wargame now has a new look and an improved player interface. Includes 14 built-in scenarios, and the ability to build your own. Published in the U.K. and Europe by Impressions. Requires 512K. \$49.95  
*Mindcraft, 2341 205th St., Ste. 201, Torrance, CA 90501, (800) 525-4933*

## Bride of the Robot

Adult graphic/text adventure. The further adventures of Captain Brad Stallion. Miss Galaxy has been kidnapped by a runaway robot! Your mission is to rescue her. \$39.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650*

## Bridge 6.0

The latest version of Bridge has significantly improved bidding and play from earlier releases and has numerous new convenience features. As before, Bridge 6.0 will bid and play out the hand, recognize blackwood and stayman conventions, and replay interesting hands as well as deal an opening hand if requested. The auto-bid and play features have been expanded to include a suggested bid; the minimum point count for an opening hand can now be specified up to 25 points; the last trick and bidding can be reviewed and the bidding now takes into account partial game scores. In addition, you can play either contract or duplicate bridge. In the duplicate mode, the program deals the same hand twice, switching positions to allow the user to play both offense and defense. The program will deal millions of different hands and you can even set up your own hands and save them to disk for replay at a later time. \$39.95  
*Artwoorx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Brigade Commander

Real time tactical war-game simulation. Utilizes real time play nonstop. Built in editor allows you to create any unit you want from the past into the future. Current official data disks include Operation Desert Shield and Operation Desert Storm. \$44.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## ◆ Brigade Commander Data Disk: Future Wars

Future Wars takes place in January 1993. Thousands of tactical nuclear missiles have been launched across the U.S.A. Following an air strike that crippled the local military, wave after wave of cargo aircraft dropped tons of infantry and equipment. Known as the Red State forces, they moved swiftly and utilized all of the existing U.S. equipment along the way. The remaining Commanders have consulted with you on the current situation. Take command and mount a small assault in the north woods of Minnesota. Move on and try to regain the U.S.A. from the Red State forces. \$29.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## British Open Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Carnoustie; Royal St. George's (Sandwich); Royal Birkdale; The Honorable Company of Edinburgh Golfers (Muirfield); Royal Lytham

and St. Annes. Forty-three opens! No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Bubble Ghost

Help a mischievous spook guide a bubble through 36 rooms, catacombs, obstacles, and traps \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Buck Rogers: Countdown to Doomsday

Buck Rogers, a science fiction role-playing game, is set in the 25th century, just after the Martian Wars. Guide your NEO team to ensure Earth's survival while, on Mars, RAM is an angry and vengeful corporate state intent on reconquering or destroying Earth. Your party of six player-characters (and up to two non-player characters) can engage in planetary or space combat. \$19.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## ◆ Buck Rogers: Matrix Cubed

The thrilling sequel to Countdown to Doomsday. Explore the inner solar system, the asteroid belt, and for the very first time—Jupiter! Role playing in space has never been this good. Aided by higher character levels and better equipment, the team must scour the solar system and rescue scientists who can build the Matrix Device. This machine can transform any substance into pure energy, and is the only hope left for the devastated and enslaved Earth! 1MB. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Budokan

Welcome to Tobio Ryu Dojo. The journey of a thousand steps begins here. What will impress you most on your journey? Will it be the fluid character animation that makes Budokan the most elegant and realistic game ever created? Or will it be the hard training you endure in the authentic arts of Kendo, Bo, Nunchaku, and Karate? Or will the 12 black belt opponents at Budokan, with their amazing cunning and talent, etch deepest in your mind? Walk the path of the warrior in Budokan and let everything impress you. \$39.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## CODENAME: ICE MAN

Your mission (should you choose to accept): rescue an American ambassador from a group of fanatical terrorists. If you are up to the challenge, then step forward and join the global action of CODENAME: ICE MAN, a new genre of Adventure/Simulation Game from Sierra. ICE MAN allows you to experience a futuristic nuclear attack submarine simulator. Guide this advanced stealth sub across the globe and into combat with enemy warships. New enhancements of SCI produce a very authentic simulation. An optional mouse works the gauges and steering wheel in the submarine; an improved parser provides a much more life-like feel to the action. As Johnny Westland, a member of an elite U.S. Navy SEALs (Sea, Air, Land) commando team, you must travel undetected, via a state-of-the-art nuclear attack submarine, to rescue the ambassador and time is running out! Requires 1MB. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## California Challenge

Scenery add-on disk for The Duel. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## California Games

Play for a big-name sponsor as you surf, skateboard, roller-skate, and BMX-race through California. Specially-marked game boxes give you a chance to win T-shirts, skateboards, watches, keyboards, sunshades, flying disks, and jetskis! \$19.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Carlos Monte's 7-Card Noopekie

Feel like you're on the boardwalk while brushing up on this poker-style casino game. \$19.95  
*Erisian Software Products, 132 Cedar Dunes, New Smyrna Beach, FL 32069, (904) 423-3949*

## Carlos Monte's Blackjack/Solitaire

Beat the dealer in do-or-die blackjack or solo a round of solitaire. \$29.95  
*Erisian Software Products, 132 Cedar Dunes, New Smyrna Beach, FL 32069, (904) 423-3949*

## Carlos Monte's High-Rolling Craps

For the gambler, complete the Carlos Monte collection with full craps rules and all casino options. \$19.95  
*Erisian Software Products, 132 Cedar Dunes, New Smyrna Beach, FL 32069, (904) 423-3949*

## Carthage

Strategy and arcade action superbly combined to give you a taste of ancient history so real you can almost smell the elephants. As Carthaginian leader, you must repel the Roman invasion by skillfully executing the right strategy to move and resupply your armies and deploy them for battle. As warrior, you must battle your way against Roman legionnaires in a unique hair-raising first-person perspective chariot race to deliver supplies and money to your beleaguered troops. Carthage features a unique new fractal landscape-generation technology that re-creates the North African landscape in historically and geographically accurate details, allowing you to zoom in on specific locations for troop placements and battle sequences. \$44.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Casino Fever

Play and learn craps, roulette, blackjack, and poker. Online help in craps and roulette. Mouse-driven interface, Vegas odds. Works on any Amiga. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ◆ Castle of Dr. Brain

This educational and mind-twisting odyssey promises to challenge and entertain young minds for hours on end. With the ultimate goal of becoming Dr. Brain's lab assistant, applicants explore his puzzle-filled castle, unraveling scientific mysteries behind every door. Along the way, children will experiment with time, astronomy, robotics, codes, logic, and math. In the end, candidates must match their newly learned principles to 'real life' job skills before earning the coveted lab assistant position. Full stereo 'rock music' soundtrack. Sierra has used a highly sophisticated palette manipulation technique to enhance its beautifully hand-painted backgrounds, virtually bringing them to life. For adults and children ages 12 and up. Includes Fantastic Book of Logic Puzzles. Shipped with four low density disks. Roland MT-32 and Amiga 4 voice sound are supported. Requires hard disk or dual floppy drives. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Castles

Castles will allow players to experience for themselves what it was like to design, build, defend, and manage their own dream castle. Decide on the kind of gatehouse, how peasants should be worked and taxed, and whether or not to get involved in quarrels between the church and state. Castles features 256-color graphics, musical score, full soundboard support, three levels of difficulty, individual or eight castle campaigns, and realistic or magical settings. \$59.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001*

## ◆ Celtic Legends

This strategy game is played on a hexagonal grid. Main action consists of armies of mythical creatures engaged in individual battles. Cast spells such as viruses, remedies, paralysis, blindness. Build castles and assemble your troops. Role playing aspects include experience points and creation of your character. For two players or one player against computer opponent. \$49.95  
*UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749*

## Centerfold Squares

Adult-oriented game with digitized graphics. Play against one of eleven centerfold opponents to uncover strategically positioned squares. Differ-

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# Entertainment

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ent skill levels from easy to nearly impossible. Graphics digitized using a proprietary process that combines the best features of modern scanning technology with the artist's finishing touches. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Centurion: Defender of Rome

Lead your legions into battle and exploration at the very edge of known civilization. Participate in colorful displays of clashing gladiators and rushing chariots. Or test your diplomatic skills against the likes of Hadrian, Hannibal, and the beautiful Cleopatra. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Challenge Golf

A realistic simulation of golf, made with genuine 3-D landscapes which put you right in the middle of the action. Four 18-hole courses, one to four players, professional and amateur levels, driving range, full club selection, handicapping system, save and load games, and much more. \$40.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## Chamber of the Sci-Mutant Priestess

Psychic powers are the key to this adventure—a thrilling, intricate puzzle that will challenge and entertain you. Battle the mutant Protozors for the highest of stakes: the life of your lady love and the future of your planet. This game provides beautiful animation, an advanced yet easy-to-use icon interface, and a sophisticated plot. \$49.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Champions

Champions is a new adventure with more than 20 detailed villains to conquer. Multiple story lines are combined with a character interaction system where players select goals, methods, and an attitude for character interaction. Players also determine the precise powers and abilities of the superhero characters and then customize the character's costume, visual and sound effects. Combat scenes combine the precision of role-playing combat with full-screen animated graphics. Available spring 1992. \$59.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Champions of Krynn

Champions of Krynn is the first AD&D fantasy role-playing computer game to be set in TSR, Inc.'s most popular AD&D game world, the DRAGONLACE® world. The player guides a party of characters (up to six player characters and two non-player characters) through a web of intrigue and combat. Player characters include kenders and Knights of Solamnia as well as most races and classes of characters from the best-selling DRAGONLACE novels—Tanis, Tasselhoff, and Caramon—as they struggle to overcome the forces of evil. New features include five different difficulty levels, moons with phases, and gods that grant special abilities to their clerics. A special four-color poster featuring an original TSR painting is also included in the game. \$29.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Chaos Strikes Back

Dungeon Master players everywhere are waiting to take on their arch-rival in Chaos Strikes Back. \$39.95  
*FTL Games, 6160 Lusk Blvd. C-206, San Diego, CA 92121, (619) 453-5711*

## Chaos in Andromeda

Chaos in Andromeda is a fantasy role-playing game set on Koranis 12. Your mission is to find and bring back the political figure and scientist Mr. Noko Yai. He has been kidnapped; if you can't bring him back you must destroy him. Available for NTSC and PAL. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## Checkmate

Checkmate is the strongest computer chess program on the market. It has an opening library of over 300,000 moves, learns as it plays by adding strong moves to its library, and is rated in the candidate master category. Requires 512K. \$54.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001*

## Chinese Chess, The Science of War

Unique rules and pieces make Chinese chess an exotic and exciting imagination of war. A river divides the board in half, a king and his guards inhabit imperial palaces, and a cannon can menace the enemy with a move that is unlike anything in Western chess. Chinese Chess includes multiple 2-D and 3-D views; several levels of difficulty; clocks; the ability to print, save, or load games; online descriptions of rules, pieces, notation, and strategy; the ability to create custom positions; mouse or keyboard control of pieces; and special features for learning the game. \$32.95  
*Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860, (804) 452-0623*

## Chip's Challenge

Over 140 levels of puzzle-solving action challenging the user's imagination while captivating the player with suspense of what challenge lies ahead. \$39.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Chuck Yeager's Advanced Flight Trainer V2.0

Experience white knuckle flying thrills with this new version of the best selling hit. Show your stuff in 18 different aircraft, each with accurate aerodynamics and realistic 3-D graphics. Fly formation with the Blue Angels and Thunderbirds or race six new courses. As a special bonus, Chuck Yeager personally guides you through AFT on the Flying Insights audio tape included in every package. \$39.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Circle of Success

Wheel of Fortune clone that allows one to four players. Easy creation of custom data files. Build a file of famous chemists, or Spanish words, or whatever. AmigaDOS 2.0 compatible. \$19.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## Classic American Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Seminole (Palm Beach, FL); Pine Valley (Clementon, NJ), ranked No. 1 in America; Spyglass Hill (Pebble Beach, CA); The National Golf Links of America (Long Island, NY); and Cherry Hills (Denver, CO). No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Classic Board Games

Whether you're in the mood for an enthralling game of Chess, have the hankering for a good old-fashioned game of Checkers, or prefer a rousing game of Backgammon, you'll be able to test your skills against the computer, or against another human. Three difficulty levels will give you a challenging and entertaining match. See CDTV section also. \$29.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Clever & Smart

Join the fun with the bumbling detective characters from Germany's most popular comic strip. They're on a mission of a lifetime trying to find the kidnapped Dr. Batterius. Incredibly tricky program of strategy as these zany characters fall in and out of trouble and mischief. Package also includes The Crimes, a newspaper filled with clues that will help you solve the mysterious crimes. \$34.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Clown-O-Mania

You are Beppo the Clown in a quest to find the land of a thousand crystals. Features: 70 levels full of riddles and tasks, 3-D screen construction

and soft-scrolling in all directions, hilarious upside-down play, great music during game play to accompany the fun, lots of enemies and surprises. Use razor blades, blocking pyramids, jumpers, trampolines, funnels, teletransporters to escape the nasties; collect energy boxes and life-giving clown masks. Beware of acid holes, fast enemies and one-way streets. Solve color and number riddles to gain extra points. \$34.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Clue Master Detective

Play your favorite game of criminal detection with friends against the computer, or with a mixture of both. Enjoy the enhancements the computer can bring to the game play, such as graphic animation and sound. Clue Master Detective has more than ever before to exercise your little gray cells—more suspects, more possible murder locations, more weapons—in fact, more mayhem! \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## College League Option Module

Select one of the top 64 college teams in the nation to lead through the annual Championship Tournaments with SportTime's newly released College League module. Play with the actual teams, players, and stats from the 1989 college basketball season. Each team is unique, so the final outcome of any tournament will depend upon the player's coaching and gaming skills. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Colossus Chess X

This program offers exceptional graphics, four different sets of chess pieces, complete control over screen orientation (view board from any angle), six playing modes. A unique feature is its ability to learn new lines of play based on its experience playing against opponents. \$34.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Combat Course

Get out those fatigues—you've just been drafted into a top-secret training camp for the military elite. Test your skill and endurance in four fast-paced training levels, then build your own obstacle course for the ultimate challenge. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Commissioner's Disk

For use with Earl Weaver Baseball and Season Data Disks, the Commissioner's Disk provides players with complete control of any baseball league imaginable. A sophisticated tool for managing league baseball, players may use it independently for real-life leagues, from Little League to softball leagues. Become General Manager, as players may draft and schedule a league, hire free agents, update player and team files, and trade up to five players at a time while attempting to operate a successful league. Player rosters and league schedules may be customized and printed once a team has been organized. Players accumulate statistics, view league stats by batting average, slugging percentage, pitching performance, and player position. Players may design their own ballpark or redesign the classics. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Computer Third Reich

All World War II elements are included: military, economic, geographical, ideological, chronological. Features state-of-the-art graphics, easy-to-use interface, choice of human or computer opponents for either side, plus three different historical scenarios and a campaign game. Also advanced Save Game function to make play by mail easier. \$39.95  
*Avalon Hill Game Company, The, 4517 Hartford Road, Baltimore, MD 21214, (410) 254-9200*

## Conflict in the Middle East

Conflict in the Middle East: Arab-Israeli Wars 1973-? At 1400 hours on October 6th, 1973, the unsettled condition that passes for peace in the Middle East was shattered by the sound of Arab artillery fire in the Golan Heights and along the length of the Suez Canal. The war between Israel



and the Arab Coalition lasted until October 24. Claims were made by both sides after the war; those claims are all debatable. If things had gone a bit differently in the Golan, Israel just might have been destroyed. This wargame simulation offers incredible detail of a brigade/divisional level game. You control every squad, vehicle, and gun tube! \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Conquests of Camelot

A tale that has been told through the centuries will soon become a Sierra 3-D animated adventure game. From the highest rampart of Camelot, to the Holy Land, across storm-tossed seas, Conquests of Camelot will take you in search of the Holy Grail, a search determining your will, your faith, and your physical prowess. Holding true to the mythical Celtic legend, all of your favorites are here with graphics and sound that bring new life to a tale often told: King Arthur, Gwenhyver, Sir Lancelot, and Merlin, who knows all. In simulated combat, you will wield Excalibur, the sword of Kings, and joust from horseback, as you journey to find the lost Grail. Call company for details. Requires 1 MB. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Cosmostruction

Introducing a new concept in space age technology: Cosmostruction! In the near future, space colonies will require tremendous amounts of energy. Become a Cosmostructor and construct a cosmic energy duct between space colonies and nearby planetoids to drain them for power. You and your opponent take turns constructing a piece of the energy duct, accumulating points as you play. You must avoid mine fields, use warp gates, and delay your opponent as you both race towards the planetoid. Requires 1MB. \$29.95

*Empire Graphics, P.O. Box 964, Union, NJ 07083, (908) 964-7864*

## Court Side College Basketball

Statistical simulation of College basketball. Includes a stats compiler and 356 teams. \$39.99

*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733*

## Courtroom

You select the case (robbery, embezzlement, etc.), select the type of judge (liberal, conservative, etc.) and play the prosecutor or defense attorney in this legal affairs drama. Review statements and material evidence, select witnesses, and convince a majority of the jury to win the case. \$49.95

*FairBrother & SoeparMann, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

## Crackdown

Don't be fooled by the flesh tone; underneath that pasty exterior is a flesh and wire cyborg programmed for your destruction. The evil Dr. K created a race of bio-bots to protect his underground city. Dr. K's mission is to expand above ground into human territory. His strategy is to destroy anything that's pure biology. Take another freedom fighter down with you, or go solo. Your mission is to set bombs in all the right places: boiling sewers, laboratories, deserted depots, and a dockyard teeming with cyborgs. Each of the 16 levels offers a unique danger. You have plenty of ammo and full brain capacity on your side. They have half a mind, but weapons that will drive you buggy. \$24.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Craps Academy

Learn the mysteries of the craps table in the privacy of your own home. Graphics and special effects teach you the rules of the game. A four-player table allows five friends to play at once using animated dice with scrolling table, complete glossary of buzz words, instant recap of recent game, and player stats. \$24.95

*Microlutions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Crazy Cars

Race in The American Cross Country Prestige Cars Race, the world's craziest race. Over six tracks cover the U.S. in 72 stages. Complete the

race before time runs out and get a faster car. Start with a Mercedes 560 SEC, then a Porsche 911 Turbo. Work up to a Lamborghini Countach, and if you're good enough, a Ferrari GTO. \$39.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Cribbage King / Gin King

Two brilliant card game programs in one package! Gin King will astound you with its stunning full-color hi-res graphics and challenging play. Cribbage is one of the world's oldest and most popular card games. Now with Cribbage King you can play cribbage like a king! Package includes free cribbage board and a deck of Bicycle playing cards. \$59.95

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Crime Does Not Pay

Or does it? This is the official mobster game endorsed by the Mafia. You don't own the town yet? That won't last long. Maybe becoming mayor of the city would solve your problem. But what about using mobsters to bribe, blackmail, and fight the big guys. Don't listen to justice and order, have no scruples, and lead your gangs to gain control over money and power. Who are you? The godfather, the femme fatale, or the killer? You will have a realistic map of the city where you can visit 200 locations and meet 10 important people. \$49.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## © Cross Poker

Place cards in five rows by five columns. Place the cards to create the best possible combinations of hands in both horizontal and vertical directions. Think ahead strategy. AmigaDOS 2.0 compatible. \$19.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## Crusaders of the Dark Savant

Sequel to Bane of the Cosmic Forge, Crusaders will offer players an adventure that will take them into a new realm of fantasy role-playing. Features include 256-color VGA graphics, a full soundtrack, and an auto-mapping feature. Crusaders also offers a true point and click mouse interface, and new outdoor campaigns. Players see outdoor landscape with trees, streams, and the like. No longer will they spend the entire game trapped in a dark cavern. Players can create their own characters or import characters from Bane. Additionally, Crusaders offers multiple beginnings which depend on a player's end game in Bane. Searching for a secret hidden long ago by a once-mad scientist, players will explore dungeons, castles, a town, caves, and battle the enemy out of doors. New skills and spells will also be available. Available August 1992.

*Sir-Tech Software Inc., P.O. Box 245, Ogdensburg Business Center, Ste. 2E, Ogdensburg, NY 13669, (315) 393-6633*

## Curse of the Azure Bonds

Ambushed, captured, and knocked unconscious, you awake with no idea who attacked you or how you arrived in Tilverton. The mystical power of the azure symbols ensnares your will like metal bonds. When the bonds glow, you must do as they command. Your only hope is to search the Forgotten Realms for members of the alliance who created the bonds and regain control of your own destiny. This exciting sequel to Pool of Radiance lets you transfer characters from Pool and Hillsfar. Features include new player character types, high-level advancement, deadly new monsters, and over 24 new spells. \$19.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Cyberblast

Your goal is to make your way through 64 levels of Fastrax Labs until you find the missing control chip. Locating the control chip closes the portal that allows the deadly aliens to enter our universe. To complete a level, you must find and grab the crystals and then locate and enter the exit within a specific time limit. You pick up energy, points, laser pistols, bombs, and grenades. Each character has unique speed, shields, strength,

zappower, and shot speed. Of course your journey is hampered by walls, enemies, and many other threats to your life. Two-player simultaneous mode. \$39.95

*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093, (410) 560-2434*

## Cybercon III

You have bravely volunteered to execute Operation Nemesis—The destruction of the merciless Super Defence computer gone mad: Cybercon III. Equipped with your enhanced power armour salvaged from the wreckage of Cybercon III's onslaught, you must penetrate the defence complex protecting Cybercon III's brain stem and deactivate it. \$44.95

*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## DARK CENTURY

A gang of extremely dangerous convicts is trying to escape from the federal prison planet. If the gang of prisoners succeeds in reaching Earth, who knows what can happen? Your mission (Codename: Survival Edge) is to capture the convicts while they are still on the planet, but first you must neutralize the ultra-sophisticated tanks which they have stolen and are using in their escape attempt. You are in command of the pursuit tank squad. Your tanks are all equipped with the latest in detection devices and technology. Be the ultimate strategist, and lead your team in defeating the bloodthirsty convicts. Get ready for the fight of your life and remember—show no mercy! \$44.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## DUCKTALES: The Quest for the Gold

In six different games, at three ability levels, you will search for the world's rarest treasures in a variety of exotic places. One of the first things to learn, however, is how to keep and send secrets by using secret messages. The control center in Scrooge's office is protected by Gyro Gearloose's Super Anti-Spy Security System, preventing Glomgold's henchmen, the Beagle boys, from stealing Scrooge's business secrets. The map of Scrooge's worldwide operations can be seen by using the Secret Code Sheet to decode the control center's secret password. \$44.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## Daily Double Horse Racing

Spend a day at the race track with a full card of ten races. Check your racing form, handicap the races, taking into account the horse, jockey, and track conditions. Then place your bets and watch the action of the race in 3-D scrolling graphics. \$29.95

*Artwoorx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Damocles

Paul Woakes, one of Europe's best-known programmers, has created an ingenious and challenging real time 3-D adventure. Interactive gameplay allows users to capture 3-D objects and relocate them at will. Player-operated explosives give very graphic results. Use too much explosive and you'll blow yourself up! Features include: frequent day/night changes with dynamic views of sun/moon/planet risings and settings, 37 city sites, 3000 multi-room buildings and over 200 movable gameplay objects. Buying and selling of objects lends an interesting twist to the game. \$24.95

*Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850, (301) 926-8300*

## Dark Castle

Conquer numerous perils and defeat the Black Knight in the Castle of Doom. Search the castle's halls; but watch out for the bats, rats, vultures, mutants, magic brooms, and whip and rock-wielding henchmen. Fourteen levels of increasing difficulty. Animated color graphics and digitized sound effects. \$44.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ♦ Darkman

From Ocean Software. Centered around the plot of the film Darkman, this arcade-combat game

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has six levels of beat-em-up action. Each level features a specific mission, from punching and kicking your way through Chinatown to creating bombs to destroy the lab. Once Westlake had a normal life, a beautiful girlfriend, and a brilliant medical career creating synthetic skin for accident victims. Then he became the victim, brutally attacked by sadistic criminals Robert G. Durant and Strack. His face and body burned beyond recognition, he is out to avenge evil and those who tried to destroy him. Now he walks the night, searching for the woman he loves. Every soul has a dark side. This time it walks like a man—the Darkman. \$39.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Darkspire

Rising from the ashen soil of the Valley of Tears, Darkspire tower spirals toward the heavens. Angered by the failures of the people they created, the Gods of the Three Ways—War, Magic, and Intellect—built the granite monolith as a final test of mankind's worthiness to exist. The gods decreed that all would perish in a rain of fire and lightning unless a champion was able to overcome the trials of Darkspire within 2000 years. Most of those years have passed, and even the great warrior Borel was unable to complete the quest. You are the last to enter Darkspire.

*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Das Boots

Das Boots, based on actual accounts of Peter Cramer, technical source for the movie, captivates the player with a visual panorama unlike any other seen in submarine simulations. Sound, music, and historical perspective combine with state-of-the-art graphics to make this an intense and action packed simulation, with 32 color and digitized sound. \$49.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Datastorm by Visionary Limited

The explosion of the planet Xerxes has plunged its eight orbiting colonies into deep space. Forced to rebuild, they are seeking out a new home planet. You must guide and protect the eight survival pods through their dangerous voyage and lead them to sanctuary. Fight up to 128 intelligent enemies simultaneously, three skill levels. Special powers include: shields, smartbombs, and cloaking devices. \$39.95

*Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850, (301) 926-8300*

## Day of the Viper

A galactic action-adventure in which players direct a powerful attack android in the rescue of a defense installation seized. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Days of Thunder

Better buckle up, you're about to experience all the engine-roaring, tire-screaming stock car action of the movie Days of Thunder. This heart-pounding adventure features the challenge of eight incredible races on a variety of totally hot tracks. Choose a car, then customize it for maximum speed and handling on the course.

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Death Knights of Krynn

Death Knights begins a year after the conclusion of Champions of Krynn. A party is taking place commemorating victory over the evil forces when the celebration is disrupted by the undead Sir Karl swooping in on a Death Dragon. When Sir Karl steals a revered Dragonlance, the champions decide to recover it. As they travel, they find their goal and their adventure prove to be much different than they ever imagined! Characters may be transferred from Champions of Krynn or an entire new party of adventurers may be created. Characters that are transferred can keep their items and money. A Cluebook is available for \$12.95 \$49.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Defcon-5

Strategy is the key to survival. Authentic SDI 'Star Wars,' computer simulation. Using realistic military commands, you are in control of our Star Wars space-based defense system. Orbit laser neutral particle beam emitters. Electromagnetic launchers and nuclear posts. Control surveillance system and destroy missiles from eastern enemies before they destroy the Earth. Great graphics and real-time action. \$39.95

*Cosmi Corporation, 431 N. Figueroa St., Wilmington, CA 90744, (213) 835-9687*

## Deja Vu II: Lost in Las Vegas

From the creators of Deja Vu, Uninvited, and Shadowgate comes this interactive graphic adventure game. You've been abducted by two thugs from Chicago, knocked senseless, and if you don't come up with \$100,000 in seven days, your number is up! \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Deja Vu: A Nightmare Comes True

This is the first all-graphic adventure game from ICOM Simulations. You wake up with a bout of amnesia and quickly realize that you're being framed for murder. You'll feel as if you're in a 1940s film as you gather clues to clear your name. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ◆ Demoniak

Artificially intelligent text adventure by Alan Grant. The universe is under attack by the evil Demoniak. Use your team of superheroes and their special abilities (magic, flame, mind-reading...) to defeat him. Recruit characters you meet and solve devious puzzles in many different ways. The Pure Fiction simulation system allows the user to play any of the 50 characters in the game, swapping roles at any point.

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Desert Storm Scenario

Add on scenario for USM II simulates operation Desert Storm right down to the Scud missiles being intercepted by Patriots. Includes the Desert Shield Fact Book with a 22-inch by 31-inch full-color map. Requires 1MB. \$29.95

*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804, (319) 323-5293*

## Dick Tracy: The Crime Solving Adventure

Disney has crafted a computer game with the unique blend of 1940's radio theater and comic book graphics to produce a strategy game that defies categories. As Dick Tracy, players try to clean-up a metropolis overrun with sinister gangsters. Get the dope on crimes and try to get the goods on Big Boy Caprice. Dozens of randomly generated crimes will challenge players to race to the scene of the crime, look for clues, and interrogate suspects. Dick Tracy also supports the Sound Source with digitized voice, fully-orchestrated music, and sound effects. \$39.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## DinoWars

Play this interactive strategy with fully-animated arcade sequences and a complete encyclopedia. Join forces in two opposing armies featuring eight of the best known dinosaurs of the prehistoric era. Choice of five different board setups. A multiple-disk package. \$39.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Distant Armies

The playing history of chess. Includes 10 forms of chess, each programmed with its own board, pieces, and rules. Several levels with two- and three-dimensional views; extensive on-line description of each game's history and rules. Includes Chaturanga, Chinese Chess, Burmese Chess, Shatranj, Byzantine Chess, Medieval Chess, Courier, Turkish Chess, Decimal Chess, and Maniac. \$44.95

*Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860, (804) 452-0623*

## ● Distant Suns 3.0

Version III of the award winning Galileo planetarium simulation. Distant Suns won the '88 CES (Computer Electronics Show) award for the most innovative educational product and Amazing Computing's best educational product for '89. Distant Suns turns your Amiga into a planetarium. The sky can be viewed from any place on Earth or from the North Pole lying on your back looking upward in planetarium mode. The program accurately replays 10,000 years of what the sky looked like and it projects 10,000 years into the future. It is a very beautiful and realistic color simulation of the sky created by R. Mike Smithwick, a NASA astronomer, and published by Virtual Reality Laboratories. Galileo (now Distant Suns) is fun, in addition to being powerful and visually stunning. Requires 512K. 2.0 compatible. Requires 512K NTSC; 1MB PAL. \$49.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ● Distant Suns 4.1

Distant Suns 4.1 brings desktop astronomy and space travel to any 1MB Amiga with at least two floppy disk drives. Version 4.1 adds many new features to an already great 3.0 version: ARexx support, multiple resolution support (interlaced, overscan), animation capability, full screen (not overscan) astronomical photo display keyed to selectable objects, and the ability for the user to put his or her eyepoint up to 400 astronomical units from the sun on any plane. There are more basic stars and a disk of medium resolution images included. Over 2,000 deep sky objects are in the basic data sets. Eclipses are more accurate and pretty to view, and the program can be extended up to 255,000 with VRLI supplied databases. The user can enter his or her own data virtually without limit. Comets and asteroids are included and can be added. Improved fonts make the program more readable and a more subtle color palette is used to give 4.1 a more professional look. Four different program disks may be selected to obtain the one best suited to the user's machine: AmigaDOS 1.3 or 2.0 and either FFP (software floating point) or FPU (hardware floating point) may be selected. NTSC or PAL version available. Upgrade available direct from VRLI. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ Distant Suns Expansion Disk-Big Stars on Demand

250,000-star NASA sky map. 28-disk set. Hard disk required. \$145.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns Expansion Disk-Deep Sky Objects

Deep Sky Objects shows 213 scanned observatory images of galaxies, nebulae, and star clusters. Most of the objects from the Messier Star Catalog are included, as well as over 1200 NGC (New General Catalog) objects. Point and click to an obscure pinprick of a star and see a detailed photograph of how it looks to professional astronomers using high-powered visual instruments. Black and white images displayed in a box similar to telescope mode in Distant Suns. Installable on hard disk. See Distant Suns in Education category. \$30.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns Expansion Disk-Sky Map Level 1

Sky Map adds more than 20,000 additional 'Distant Suns' to your sky. The data for these stars, such as location, luminosity, etc. was taken directly from NASA's own deep-star catalog, which is comprised of relevant information on over a quarter-million stars. Sky map includes the brightest stars from the catalog, or those with magnitudes of 7.25 or brighter. The result is visually gorgeous. Data can also be displayed about these stars. Hard disk installable. Two-disk set. See Distant Suns in Education category. \$25.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns Expansion Disk-Yale Bright Catalog

Yale Bright Star Catalog adds 9,100 more stars to your Distant Suns sky, which already has more than 2,200. The user is able to pull up data on more than 7,000 of these stars. Hard disk installable. See Distant Suns in Education category. \$18.00  
Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515

## Distant Suns-Space Visions

Space Visions is a series of IFF images selected by Mike Smithwick, author of Distant Suns. Space Visions may be viewed with Distant Suns 4.0 or any program which allows viewing of IFF files—any paint program, for instance. Space Visions cannot be viewed with the DistantSuns3.0. Available direct from VRLI only. These are full screen (not overscan) hi-res images. Package contains 246 images and is 25 disks plus an installation disk. Includes Mars from orbit and surface (Viking mission photos); Earth from orbit (various Gemini, Apollo, and Space Shuttle missions); Mercury flyby (Mariner photos); Skylab (America's first space station); Space Shuttle in operation; Voyager (Photos include Jupiter, Saturn, Uranus and Neptune); Deep Sky objects; Gemini two-man mission; lunar photos by Lunar Orbiter and Apollo astronauts; historical shots from the Apollo mission. \$90.00  
Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515

## ◆ Dominant Species

Strategy game based on the theory of evolution. A realistic simulation with over five years of development. Create your own new species to survive and thrive through the cataclysmic upheavals of Earth's prehistory. More than 30 billion species can be developed. For one to eight players, human or computer. Requires 1MB. Available 4th quarter 1992. \$49.95  
R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399

## Dominoes

Classic board game with 3-D graphics. Easy to learn, hard to win. \$12.95  
Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583

## Double Dragon II: The Revenge

Twin brothers Billy and Jimmy Lee must join in deadly combat with the savage Black Warriors to free Billy's girl Marion. Using martial arts expertise and whatever weapons they can grab, Billy and Jimmy pursue the gang to the secret lair of the Shadow Boss for a final confrontation. \$39.99  
Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## Downhill Challenge

Ski-racing simulation allows players to compete in downhill, slalom, giant slalom, and jumping events. Three levels; 3-D animation. \$29.95  
Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## Dr. Doom's Revenge

An interactive comic book. State-of-the-art full-screen comic book pages, drawn in dazzling color and featuring the authentic Marvel look. Each page of the game shows Spidey and Cap's progress through Doom's castle. Over 30 challenging arcade sequences give you control of Spiderman and Captain America as they battle Dr. Doom and his super villains. \$39.95  
MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Dr. Plummet's House of Flux

More than a run-of-the-mill gravity game. It is 28 screens of the most bizarre, humorous, and frustrating challenges in the universe, spread over four selectable missions, each one more difficult than the last. It's fighting aliens and twisted, unpredictable forces of Dr. Plummet's fortress. But best of all, it's the most entertaining way to turn off those overworked brain cells for a while. \$24.95  
MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

## Dragon Wars

Fantasy role-playing in an island world. Players must escape from prison, find out why magic has been banned on the planet, and prevent the unleashing of the dragons guarding the city-states. \$49.95  
Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001

## Dragon's Lair II: Time Warp

Dirk the Daring continues his adventure in the sequel to Don Bluth's animated adventure Dragon's Lair in Dragon's Lair II: Time Warp. Princess Daphne has been spirited away to a wrinkle in time by the evil Wizard Mordroc, who plans to force her into marriage and only you can rescue her. With the help of an aging time machine, you must defeat Mordroc or the princess will be lost forever in the Time Warp. \$59.95  
ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## DragonStrike

Feel the raw power of the mighty dragon surging beneath you as the wind beats against your face. The deadly skies above the AD&D DRAGONLANCE game world of Krynn explode before your very eyes. Learn to fly dragons and master over 20 different missions. Progress through three different orders of Solamnic Knight-hood, gaining bigger, more powerful dragon mounts as you go. \$19.95  
Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## ◆ Dragons of Flame

Explodes with action! Control up to 10 Companions, one at a time. Your quest: rescue slaves held by the ravaging Dragonarmies in the impenetrable fortress of Pax Tharkas, crackling with vile energy. The Companions explore the wilderness of the Elven Mosaic, where they gain valuable allies—the mysterious elves of Qualinesti. Each Companion has different specialized skills. Use them wisely to evade evil Draconian patrols, Dragons, Giant Wasps, Griffins, Wraiths, Zombies, and other monsters! 512K. \$14.95  
Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## Dragonscape

Dragonscape is the wackiest, fastest, toughest, most addictive fantasy shoot-'em-up to appear on the Amiga. Featuring 64-way scrolling, four multi-screen levels, a full musical soundtrack, and 100 types of opponents, Dragonscape is fast, furious fun. \$39.95  
Mainstream America, 1012 South Main Street, Taylor, PA 18157, (717) 562-0650

## Dragon's Lair

The much-awaited arcade classic. Six digitized disks bring the coin-op laser legend to the Amiga. As Dirk the Daring, you'll try to rescue Princess Daphne from the evil Dragon, Singe. Requires 1MB RAM. \$59.95  
ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## Drakkhen

The fate of the world rests on your shoulders. Sent to a strange volcanic island, you must overcome its dangers, capture the precious dragon jewels, and summon the all-powerful primordial dragon. Only then can you save your dying world. The characters you design move in 3-D real-time to a host of alluring and unique sound effects. \$59.95  
Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Dream Zone

Graphics adventure game set in the land of your dreams. A mad scientist's elixir has turned your dream world into a reality. It's up to you to call upon your logic, imagination, persistence, and sense of humor to locate and overcome the source of your nightmares. Over 100 exotic locales to explore while conversing with multitudes of people, animals, and things. Type simple English

commands or click on objects to collect objects, seek clues, or invite company on your journey. \$49.95  
Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888

## Dungeon Master

Real-time dungeon exploration with 3-D view. Levels upon levels of monsters, puzzles, and more. Mouse-only interface. Quick reference answers manual available (see Books and Tapes section). \$39.95  
FTL Games, 6160 Lusk Blvd. C-206, San Diego, CA 92121, (619) 453-5711

## Dungeon Master Survival Kit

Dungeon Master Survival Kit includes maps, walk-thrus, spell list, and other vital information for Dungeon Master and Chaos Strikes Back. This kit also contains Custom Character Editors for both games. Requires 1MB. \$19.95  
Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964

## Eagle's Rider

The year is 7014, the war between humans and cyborgs continues. Only a few solar systems remain under human control. You are Captain Steve Jordan, elite pilot of the 637th squadron of interceptors. You had been taken prisoner by the cyborgs. Somehow you've managed to escape from your prison planet, stealing their new fighter, Eagle. Fly your Eagle fighter throughout space at lightning speed, avoiding collision with asteroids and mines. \$49.95  
Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## Earl Weaver Baseball Data Disk

Statistics from 1986 major-league teams. \$19.95  
Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## EbonStar

Skill and strategy. Avoid satellites, armed drones, and the Warp, to destroy competitors by hurling them into the synthetic black hole. One to four players, 50 levels of complexity. Fast paced free-flowing graphics and animation are sure to keep you captivated! \$24.95  
MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

## Echelon

True simulation puts you in control of the C104 and in the heart of the action. You operate the craft from inside the control room. As the top ISF pilot, you are in command of the C104 Tomahawk stationed in patrol zone 106. As the only patrol craft in the zone, you must fly daily reconnaissance missions. Search for artifacts and clues that reveal location of the space pirate stronghold. \$44.95  
Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880

## Eco Phantoms

All that remains of life on Earth lies beneath the domes of the Eco Phantoms. Having entered a dome and hijacked an Eco zeppelin, you must become a skilled pilot in order to maintain your ship; navigate through the system of gulleys, and confront the dangerous and intriguing creations of the Eco Phantoms. Swift mastery of the code creator is also vital to your success. For areas inaccessible to your ship you have at your command a team of highly skilled robots. The mothership hangs menacingly above the Earth, awaiting the last shipment of your planet's remaining resources. Your aim is to destroy the Eco Phantoms' grip on the planet. The future of life on Earth is in your hands. \$39.95  
Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031

## ◆ Electric Crayon: Never Ending Story II

The Never Ending Story II contains 30 pictures of Bastian and his friends in the world of Fantasia. Children can color and enjoy each picture time and time again. Print banners as well as posters and calendars of their favorite characters. \$17.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

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# Entertainment

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## Electric Jigsaw

Play with six to 294 pieces and never lose a single one. Just like working at the kitchen table, you can put groups of pieces together then move them to fit into the border pieces you've already assembled. The Electric Jigsaw combines the challenge of board jigsaws and the magic of computer animated graphics. Six different puzzles to choose from. \$19.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## ◆ Elf

From Ocean Software. You don't have to be big to be a hero. Cornelius, the wood Elf, has lost his girl to the unspeakable Dark Lord, a mad scientist who whiles away the hours in his ghastly forbidding castle by performing cruel experiments on any woodland creature who comes within his grasp. Help Cornelius track his enemy through six enthralling levels of magic, action, adventure, and very, very quirky humor. In each beautifully illustrated world of over 100 screens, you will be confronted by an array of the strangest creatures imaginable. Over some, you must cast magical spells, some you must collect, and with others you must barter for your life! Don't take too long though. At this moment, Eliza is being lowered into a vat of some disgusting chemical and the Dark Lord is laughing with glee. Lose yourself in this delightful fairytale! \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Eliminator

Space highway arcade game. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Elvira II: The Jaws of Cerberus

Rescue Elvira from the ghastly Cerberus, the 60-foot tall, three-headed demon who has found his way into our dimension and now holds her captive somewhere in the depths of a huge film studio. The game features more locales to explore, including three frighteningly authentic movie studios, and more gruesome and vividly graphic creatures to combat both physically and magically. Gameplay is enhanced with realistic and spooky animated graphics, a haunting original soundtrack, and a transparent interface that, working together, completely embroil the player in an experience synonymous with a first class horror movie. \$59.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Elvira, Mistress of the Dark

Featuring the sultry Elvira, the world's most famous spokesperson for ghouls and goblins, the game leads players on a ghostly and grisly role-playing adventure through a demon-filled medieval castle. Search for 'The Scroll of Spiritual Mastery' sealed in a chest bearing six different locks. You must find this before Elvira's relative, Queen Emelda, who recently rose from the dead. In your search you will cast spells using the book of magic spells while fighting off evil creatures. \$59.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Escape from Singe's Castle

Plunge further into the depths of the Dragon's Lair! Just when you finally rescued Daphne from Singe the Dragon, along comes his master, the Evil One, and steals her away again. Match wits with the new challenges that confront you as well as totally new encounters never before seen in the original Dragon's Lair®. Muster all your skill and cunning to free Daphne once again in the brilliant final battle deep within the cavernous dungeons beneath the Castle. Escape from Singe's Castle installs on any hard drive, runs multitasking, and even links with the original Dragon's Lair to allow you the ultimate playing experience. \$44.95  
*Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850, (301) 926-8300*

## European Challenge

Scenery disk for The Duel. Journey through Germany, Switzerland, Holland, France, Spain, and Italy. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Eye of the Beholder

Eye of the Beholder, the first graphically based AD & D computer FRP game, uses the mouse or keyboard and an easy point-and-click interface to pick up objects, move or throw them, to ready weapons, to cast spells, etc. In the Forgotten Realms city of Waterdeep, your party of four PC's and up to two NPC's have been hired by the City Council to discover the conspiracy hidden below the city. \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## ◆ Eye of the Beholder II: Legend of Darkmoon

The exciting sequel to Eye of the Beholder is bigger, better, and meaner! Forest, temple, catacomb, and three huge towers. More people to meet, clues to learn, and mysteries to unravel. Better graphics and improved point and click interface make playing even easier. Lots of new, smarter, meaner monsters—some of the nastiest ones are human! 1MB. \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Eye of the Storm

Two hundred and sixteen years into the future, mankind has at last defeated disease, poverty, and hunger. In an effort to boost declining viewing figures, the three huge holovision conglomerates have lobbied the interplanetary legislature for many months. Finally they got their way—the creation of law-free zones, where anything can happen and does—in front of the viewing audience. You have been sent into one of those zones; into the boiling depths of Jupiter's red eye, in a kill or be killed mission. Features over 210 different types of solid 3-D objects with up to 100 faces and 26 animation positions. \$49.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## ◆ F-15 Strike Eagle II

The classic game of aerial combat roars back to life in the '90s, loaded with fast action and vivid graphics. Dogfighting is the name of the game. Although the sky swarms with bogies, your streamlined weapons console targets enemy planes with the touch of a button to let you concentrate on the action. Enemy pilots and missile crews act and react intelligently. Success depends on making the right moves—fast! \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## F-16 Combat Pilot

Players must master five basic missions to become a Squadron Commander. Once all five missions are completed, players may undertake Operation Conquest, the final scenario. By successfully blowing away the enemy in Operation Conquest, players are promoted to a more elite squadron. There are nine squadrons in all, and each promotion becomes progressively more difficult to attain. The game includes LANTIRN-guided Maverick missiles, Iron bombs and Durandals, Advanced Tactical Air Reconnaissance System, and Air-to-Air missiles. More than 500 fixed and mobile targets are spread over thousands of square miles on every mission. \$19.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## F-19 Stealth Fighter

Features an advanced cockpit with two multipurpose display screens, a radar scope and 3-D window viewing with a superimposed heads-up display (HUD). More than 30 separate controls are used to regulate flight, engage in combat and surveillance and maintain the plane's electromagnetic profile. Scenarios are based on missions Air Force pilots have flown in training or actual missions. The action moves at Mach speeds on missions in North Africa, Central Europe, the Persian Gulf, and the North Cape of Scandinavia. It provides a constant challenge for beginning and expert game players. The game features authentic, state-of-the-art weapons and threats with heat-seeking, radar-homing and video-guided

missiles, plus laser-guided and free-fall bombs. \$69.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## F-29 Retaliator

Identify the enemy and rock his world. Fly the forward swept-wing F-29, whose advanced avionics are revolutionizing aviation history, or the explosively lethal F-22 Advanced Tactical Fighter. Just log in and the ferocious action begins. Choose a fighter, arm your aircraft, and lead your squadron into the sky. There are four intense battle scenarios and 100 different missions to fly. Dogfight aerial opponents, make surgical strikes against land-based targets, and attack the enemy on sea and land. F-29 features the latest in aerodynamic technology, introducing ECOP controls, backwinder AAMS, supercruise, stealth, and more! \$49.95

*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## F/A-18 Interceptor

Fly the F/A-18 Interceptor into combat to defend Air Force One. Includes six combat missions, free flight, and a training mission. In free flight mode, you can try to fly under the Golden Gate Bridge or over Alcatraz. Land on the U.S.S. Enterprise on a training run. Variety of weapons, 3-D graphics, real-time digital map, first-person perspective, zoom function, ejection seat, and sound effects. Requires minimum 512K; 1MB suggested. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## F40 Pursuit Simulator

At the wheel of the fabulous Ferrari F40, tear through four states in search of the quickest way to accomplish your mission. Plan your route carefully from the map of each state displayed on screen. It will show the actual byways that you can speed on. Your Ferrari features the latest radar, enabling you to detect police road blocks. Realistic 3-D road junctions, hills, and superb graphics. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## FUNBENCH

FUNBENCH, our non-copy protected alternative to the space arcade shoot-em-up, contains nearly 30 original, highly entertaining programs written specifically for the Amiga. \$20.00  
*S.P.O.C., 299 Old Highway 69, Kiowa, OK 74553, (918) 432-5774*

## Faces...Tris III

Faces...Tris presents players with the task of maneuvering and positioning falling pieces. The blocks represent different face segments, from chin to forehead, of famous and not-so-famous people. As various pieces fall randomly from the top of the screen, the challenge is to stack them in the correct order to form a face. Faces features 10 levels of difficulty with different categories of faces for each level. To complicate the face building task, the blocks fall in pairs and move together left to right. The special customizing feature allows players to create and place new faces in the game using a separate paint program. \$39.95  
*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584*

## Faery Tale Adventure

Guide three brothers on a quest to save the land of Holm from the forces of night. Traverse caverns, mazes, forests, mountains, deserts, islands, castles, and more. Over 19,000 playable screens. 3-D overhead perspective lets you watch as goblins, skeletons, and ogres pursue the brothers. Music changes to foreshadow action, just like in the movies. Adjustable music and sound. \$49.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Falcon

Become the pilot of a realistic but playable F-16 simulation. Controls, heads-up display, and radar conform to current avionics of the F-16A. Game includes 12 missions which vary from air to ground bombing runs to dogfighting up to three enemy MiGs at a time. The most outstanding feature is the ability to go head-to-head against an

opponent on a second Amiga. Advance from 1st Lt. to Colonel with increasing abilities such as the Immelman, yo-yo's, loops, and scissors. Incorporates real action sounds, including engine start-up, machine gun, missile launch. Four cockpit views and three tower views, zoom-in and zoom-out features. So realistic, Falcon is being used in a military aircrew training program. See CDTV section also. \$49.95  
Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584

## Falcon Mission Disk II: Firefight

Your mission: annihilate enemy tanks, trucks, MiGs, Hinds, pontoon bridges, and supply lines—fast! These 12 new heart-pounding missions are guaranteed to test the skill of even the most seasoned Falcon pilot. Wield new weapons and equipment. Air-to-air radar-guided missiles, high-speed anti-radiation missiles, and radar jammers. Achieve tank superiority, and you'll earn the Medal of Honor. \$29.95  
Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584

## Falcon Mission Disk: Counterstrike

Falcon Mission Disk gives you the incredible maneuverability and weaponry of your original Falcon F-16 simulation, plus a new set of missions with more enemy vehicles, new terrain, and improved graphics and playability. Your objective: total defeat of the enemy by destroying his industrial and ground assets, while protecting your base from attack. The enemy comes by land, sea and air; you'll have to dig deep into your bag of tricks to repel this attack. It's a whole new world of challenges with the Falcon Mission Disk. Expand your horizons as you go head-to-head with the latest in flight simulations. System requirements: Amiga, 512K RAM, KickStart 1.2 or above, one 3.5-inch disk drive, Monitor, and the original Falcon program in order to run Falcon Mission Disk. PAL compatible. \$24.95  
Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584

## Famous Courses Disk Volume #1

Featuring Harbour Town, South Carolina; Sunningdale, London; Dorado Beach, Puerto Rico; and the most difficult and challenging course Pine Ridge. Each course features a scorecard print-out, a top view, and an all new punch feature which lowers the trajectory of the ball and assists in tree play. Requires World Class Leaderboard. \$19.95  
Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880

## Famous European Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Club de Golf Sotogrande, Spain; Chantilly, France; Falsterbo Golfklubb, Sweden; Club Zur Vahr, Germany; and Royal Liverpool (Hoylake), England. No additional charge for foreign orders in U.S. dollars. \$15.00  
Moonlight Development, 329 Shoreline Place, Decatur, IL 62521

## Fantastic Voyage

Based on the 20th Century Fox film, Fantastic Voyage challenges players to make their way through the human bloodstream in order to destroy a blood clot in the brain, fighting antagonistic white blood cells, antibodies and other hazards along the way. The game features unique organic graphics and sound effects. \$49.95  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

## Fast Break

Three-on-three basketball with double-clutch, mid-air, off the glass animation. Go to the playbook for 15 offensive and five defensive pro-styles. Design your own plays with the exclusive Playmaker feature. View network television court perspective. \$19.95  
Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## Fast Eddie's Pool and Billiards

A realistic simulation of 14 top pool and billiard games with entertaining graphics and sound. Comes with everything but the pitcher of beer! \$34.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

## Femme Fatale

A digital puzzle for adults. Ten exquisite girls digitized in full color. Large, full screen images. Five difficulty levels (25, 40, 64, 80, and 100 pieces). Digitized feminine voice assistance. Load/Save game options, hints, undo, status. Choose from our superb library of Digitized Data Disks or use your own images. Entertaining and addictive. \$34.95  
Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110, (201) 661-0408

## Fiendish Freddy's Big Top O' Fun

Take a satiric, twisted visit to the circus with this arcade-style game, which uses slapstick humor and superior cartoon-style animation. Take center ring on the trapeze or in five other events, but look out for Fiendish Freddy, the cynical circus saboteur who will thwart you at every turn. \$49.95  
MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## Fighting for Rome

Take command of your own Roman army and pit your skill and strategies against your computer opponent. In this unique miniature-style war game you can recreate classic Roman battles in your own home. Control your armies individually or in groups. Options let you order your troops into formations such as double ranks or squares, and you can command groups to march, run, or charge. By Impressions. Requires 640K RAM, CGA/EGA/VGA, mouse. \$49.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## Final Conflict

Real time global warfare—that's what The Final Conflict portrays. Picture yourself in a number of tension-packed global situations where a country is trying to face down other countries through diplomacy, threats, or outright nuclear attack. Build tanks, infantry, spies, ships, and missiles. An alarm will sound when your enemies' missiles are within 10 seconds of impact. At five seconds you can go to the missile defense network, a short arcade sequence to let you defend your homelands. Requires 640K RAM, CGA/EGA/VGA, mouse. By Impressions. \$49.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## Final Mission

Avoid enemies, collect objects. Dig and climb your way through 350 different levels. Dangerous mines, traps, and energy fields will push you to the limit. Excellent graphics, sound, and programming. \$14.95  
DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733

## Fire Power

Arcade-style tank battle featuring one-to-one playability on split screens—against the computer, against a friend, or over the modem. Smooth scrolling graphics and animation give the game a realistic feel. Sound effects like tank engines, explosions, and helicopters keep you on your toes as you defend against the enemy and its helicopters. Rescue your troops and return them to the first aid stations. Multiple fields and random flag locations allow a variety of strategies. Three tanks to choose from. \$24.95  
Microlusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200

## Fire and Forget

Earth is in turmoil and you must save it. You're the top commander of the Thunder Master, the world's ultimate fighting machine. Face three levels of six conflicts from guerrilla to global war. Let Thunder Master's V-16 triple turbo engine and four-wheel drive speed you through enemy terrain. If you need help, radio to a partner. Let the commander of the magnetic levitation unit Thunder Cloud help you by manning the skies while you take the ground. \$39.95  
Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## Fire and Forget II

Mines, armoured crafts, bombers, jumpers, probes, and suckers will be your opponents. They are all different and use various combat techniques, but they have one common point; they are

exterminators. The ability to fly will be your strength, but you will certainly need it to catch up to the head of the convoy before the fatal explosion. \$44.95  
Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## Fireteam 2200

A wargame set in the 23rd century. Can be played against computer opponent, or two player mode on one machine or via modem or direct cable connection. Amiga owners can play with IBM owners. Offers Line-of-Sight, over 30 Combat Units with 25 different Weapons Systems, and the option to fight alone or command a Fireteam. Bio-Intelligent Battle Computer with automatic Friend or Foe recognition. Datalink to Fireteam Vehicles. With the push of a button you can Scan, Choose a Weapon, Target an Enemy, and Open Fire! Amiga 1000/2000/3000:1MB. Digitized sound effects. \$49.95  
R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399

## Flames of Freedom

The climatic disaster that precipitated a new Ice Age has finally diminished. As the ice and snow begin to melt, the people search for a home safe from the rising seas. But there is no paradise to be found, only the Saharan Empire—a brutal, totalitarian regime determined to control and manipulate everything in its path; an empire so powerful it can only be defeated from within. Your mission: promote discontent and revolution among the empire's populace through high-risk undercover operations. \$49.95  
MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Flight Simulator II

Cessna 182 single-engine plane flight simulator. Over 120 airports, five scenery areas. Full instrumentation, many features. \$49.95  
subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983

## Flight of the Intruder

Flying either an A-6 Intruder or F-4 Phantom in the computer simulation, players are sent into combat from their base on the carrier USS Shiloh. The action takes place during the 1972 Linebacker campaign over North Vietnam. It features multiple missions in which the pilot is usually part of a larger operation undertaken by one of several sections of aircraft. Typical enemy targets include bridges, power supply plants, docks, and shipping facilities. To be successful, players must be prepared to run the gauntlet of both air and ground defenses. You may also choose to take on the role of Mission Commander. \$59.95  
Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584

## Formula 1 Grand Prix

Six International Circuits. Five different cars. Six-speed gearboxes, lap records, and more. Up to three cars on the track at the same time. \$29.95  
StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553

## Fright Night

You're Jerry Dandrige, and you've got 12 hours to bite everyone in the house before they stake it to you. Game play by Steve Bak and graphics by Pete Lyon. \$19.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19111, (302) 454-7946

## Frostbyte

Fast-moving arcade adventure starring Hickey the Kreezer. Help him to free his fellow remaining Kreezers from the goulsh monsters who inhabit the planet craters. Fifty different screens, great graphics, and sounds. \$29.95  
StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553

## Full Count Baseball

Strategy simulation so real, you can almost hear the crack of the bat. Comes complete with 78 teams, a stats compiler; one, two, and computer vs. computer play modes; and draft, trade, input players/teams options. \$39.99  
Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733

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# Entertainment

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## Future Classics Collection

A collection of five entirely new games in one package: Diskman, TankBattle, BlockAlanche, Lost 'N Maze, and Diet Riot. Offers three ways to play each game: Split-Screen for two-player head-to-head competition; Full Screen for two player game or single player; and Split Screen against one of three computer characters. Each game has 20 to 50 or more levels in each mode. \$39.95  
*Live Studios, Inc., 30151 Branding Iron Rd, San Juan Capistrano, CA 92675, (714) 661-8337*

## Future Wars

Graphic adventure game in which the player must crisscross through time to prevent the destruction of Earth in the distant future. See CDTV section also. \$49.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001*

## GRIDIRON!

Football simulation uses digitized audio. Devise and call your own plays. Loaded entirely into RAM and runs in real time with five levels of play. Requires 512K RAM. \$39.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300*

## Galactic Conqueror

Fast action of a coin-op game and the sophisticated strategy of a computer. Located in the center of the galaxy is Gallion, the supreme headquarters of the stellar league. They have detected an enemy invasion. As the only one with enough experience to handle a strategic conflict, you will be sent to stop the invasion. Which of the 416 planets will be the most important to liberate and aid in the battle? Which planets may not be counted on? Join a training mission at any time, to increase your skills and attain a higher level of performance. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Galactic Invasion

Intergalactic dogfight. Invade the enemy galaxy and capture and destroy their satellite stations. Find material to build the ultimate doomsday weapon. Real-time interactive graphics, digitized stereo sound, computer opponent, 3-D galaxy complete with stars, planets, moons, suns, and asteroid belts. \$14.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Gateway to the Savage Frontier

Gateway to the Savage Frontier is Volume 1 in a completely new AD&D computer fantasy role-playing epic. It takes place in the mysterious unexplored territory within TSR's Forgotten Realms game world. Starting in the town of Yarter, you must adventure over a vast area of wilderness on a quest to gather four magical statuettes. With these statuettes you thwart the invasion from across the seemingly impassible Great Desert of Anauroch. Varying degrees of character levels from novice to advanced. \$49.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Gauntlet II

Based on the arcade mega-hit, Gauntlet II brings you superlative graphics, sound, and total excitement. In search of magical treasures, you explore the Dark Dungeons while battling ghosts, demons, fire-breathing dragons, sorcerers, and other deadly foes. Come live the fantasy of the popular legendary characters—Thor, Thyra, Questor, and Merlin. Up to four players can join in on the action at any time during play. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ◆ General Manager BASKETBALL

Featuring the MBA Draft. GM BASKETBALL breaks the mold set by other developers and offers all new challenges in the ULTIMATE basketball simulation. You get a 4-year contract as General Manager and Head Coach. You must use your front office skills and coaching savvy to turn a losing franchise into a contender! Compete with GMs around the league in scouting, drafting, and signing the top college players in the draft. It's never the same game twice because different college players come out every season, resulting

in different teams every year! Features: round by round draft picks, agent/salary negotiations, size/speed/stamina ratings, roster editing(cuts), game/season statistics, one or two player mode, exhibition games, MBA playoffs. Requires A500, 512K, Workbench 1.3. \$49.99  
*Mahoney Software Products, P.O. Box 2962, Newport News, VA 23609-2962, (804) 591-9330*

## ◆ General Managers FOOTBALL

Featuring the MFL Draft. Compete with GMs around the league in scouting, drafting, and signing the top college players in the draft. Then put on the headset and compete for a playoff spot against some of the toughest teams around! It's never the same game twice! Why? Different college players come out every season, resulting in different teams every year! Features: round by round draft picks, agent/salary negotiations, size/speed/stamina ratings, roster editing(cuts), game/season statistics, one or two player mode, exhibition game, MFL playoffs. \$39.99  
*Mahoney Software Products, P.O. Box 2962, Newport News, VA 23609-2962, (804) 591-9330*

## Genghis Khan

Genghis Khan catapults the player into an era of world conquest and domination. There are two separate scenarios—Mongol Conquest and World Conquest—each offering a game system that virtually never puts the player in the same position twice, allowing for endless hours of absorbing game play. As a player you attempt to build an empire. Keep it by making your populace happy, your treasury full, your subordinates loyal, and your enemies at bay. The human side of empire building has not been forgotten. Finding the right way to approach a hostile empress is just as important as training troops in battle. Do not let your guard down, and be ready for a host of problems. \$59.95  
*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200*

## Gettysburg: The Turning Point

Reenacts the three-day Gettysburg Civil War battle in 42 turns. Command-control system shows the effects of the commanders, ammunition points, fatigue, and other factors. Basic, intermediate, and advanced modes available. Computer allows you to play the Blue or the Grey. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## ◆ Global Effect

Should you take a turn saving the Earth? You may choose to save, rule, or create a world. Spread before a massive game area of 64,000 separate locations, Global Effect simulates the interactions of economical, industrial, environmental, and military factors in managing world balance. You need to take into account other players and the broader backdrop of environmental balance. Most options available to the governments of the world will be available to you, the leader of a task force sent on government missions to secure distant worlds for the growing galactic civilization. Developed by Millenium. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Globulus

A unique combination of action and strategy on a 3-D isometric maze. Puzzling fun for all! \$29.95  
*Innerprise Software, Inc., 1818 Pot Springs Road #30, Timonium, MD 21093, (410) 560-2434*

## ◆ Gods

From Konami and Renegade. Ancient Greece has been taken over by the forces of darkness. As powerful Hercules, players battle through four action-packed levels to achieve immortality. Each level has three worlds of adversaries and puzzles. Progression puzzles must be solved; reward puzzles are helpful in advancing. Available first quarter 1992.  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Gold Rush

Historical adventure follows a 49er from New York to California. Three different games, one for each path the miner follows. \$39.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Gold of the Americas

Conquest of the new world. Fame and fortune are waiting to be claimed in the new world. Just explore virgin wilderness, deal with natives, establish Colonies, and extract the gold. Then keep it out of the hands of the other major powers, while avoiding the rapacious demands of your own government. Historical or random start scenarios with ruthless and cunning computer opponents. \$45.00  
*Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514, (904) 494-9373*

## Golden Axe

The Death Adder is tyrannizing the people of Yuria. Only three heroes have the strength to stop the ruthless tyrant and regain the throne. Tyrus-Flare, a beautiful and powerful amazon is empowered by a special fire magic. Gilius-Thunderhead rumbles and tumbles to the scene with his astonishing combination of lighting power and gymnastics skills. And the Axe Battler has sharpened his giant sword for battle. You must choose which challenger to send into the dreaded path of the Death Adder. Your weapons range from razor-sharp swords to curtains of fire. You can even joust with your foes. Remember, one dose of magic can wipe away an acre of evil. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Goldrunner

The first installment of the Goldrunner series. Join in as humankind prepares to leave Earth and enter the Golden Age. Can you become the fabled Goldrunner in the battle for the Ring-Worlds of Triton? \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Goldrunner II

Fifty years ago, the first Goldrunner, a brave and bold warrior, defeated a powerful force of space pirates to save the world. The past five decades of life on the Ring-Worlds of Triton have altered the life of the human race. No longer a warrior, technology has made man a new fighter. The robots that defend his home have been captured by pirates and turned against him. Fly your single-seated fighter to the platforms, outwit the pirates' defense system, and recover the robots. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Grand Prix Circuit

You do more than drive a car. Qualify in races against the clock, single races against nine computer drivers who have unique personalities and characteristics; and ultimately the World Driving Championship where they race on all eight tracks. \$24.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Graphic Adventure Collection

Three award-winning graphic adventures: Deja Vu, Uninvited, and Shadowgate. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Great Resort Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Muirfield Village (Dublin, OH); Mission Hills (Rancho Mirage, CA); Eagle Ridge (Galena, IL); Dorado Beach (Puerto Rico); Banff Springs Hotel Course (Canada). No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Greg Norman's Shark Attack! The Ultimate Golf Simulator

It's professional golf at its best with Greg Norman. A state-of-the-art golf graphics better than ever seen before. Just a few of the many features: 3-D perspective, adjustable weather conditions, numerous game types. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Guerilla In Bolivia

A strategic simulation with action sequences. The game is inspired by the diaries of Che Guevara. Leading a guerilla troop is a dangerous and demanding challenge. You must take on govern-



ment troops and manage the daily survival of your followers. The simulation takes place across the whole of Bolivia, and you have six detailed maps as used by Che himself. You will have to deal with ambushes, clashes with militia, sort out the food and provisions for your men, train any new recruits, and run a Guerilla campaign. You start with 15 fighting men, the core of Che Guevara's operational unit. \$45.00  
*Cases Computer Simulations Ltd., 642 Lea Bridge Road, London, E10 6AP, England, (011) 4481-558-5274*

## Gun Shoot

Shoot 12 different criminals; but don't touch the civilians. Includes two-player mode and digitized sound. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Gunboat: River Combat Simulation

Twisted jungle rivers and tight-quarters combat combine for one-of-a-kind adventure in Gunboat: River Combat Simulation. Enter three sweltering combat zones; operate a U.S. Navy River Patrol Boat in over 20 missions; step into the abyss known as Riverine Operations; get a first-person perspective from four battle stations; open fire with authentic gunboat weaponry; experience explosive 3-D realism. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Gunship

Gunship, a combat helicopter simulation, puts the player at the controls of the world's finest attack helicopter, the U.S. Army's AH-64A Apache. The gunship arsenal boasts Hellfire and Sidewinder missiles, Folding Fin aerial rockets, and a 30mm cannon capable of firing 625 rounds per minute. To make the game challenging for novices and combat simulation experts, Gunship offers a variety of skill and reality levels, mission types, and specific mission objectives. \$54.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Guy Spy

Being the world's greatest counter-espionage agent, you, Guy Spy, have been chosen to carry out your government's most important orders—destroy the doomsday machine of the evil Von Max. You have very little to go on other than it is known that Von Max is currently located in Berlin and if you don't get there quickly he will surely be on his way to collect the fabled crystals that he needs to tap into an immense power source. Intelligence reports have linked Von Max to a terrorist group that would love to hold the world for ransom with the power locked in the crystals. Your orders are to stop Von Max at any cost...before it's too late. Features classical cartoon animation with full control over the animated characters. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Halls of Montezuma

The Battles history of the USMC. This is the battle history of Americas greatest fighting force tracing it's history from Mexico City to the savage street fighting of Hue in Vietnam. The scenarios are Mexico City, Belleau Wood, Okinawa, Iwo Jima, Pusan, Inchon, and Hue. With special battle notes for each scenario. \$49.95  
*Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514, (904) 494-9373*

## Hard Nova

In Hard Nova you assume the identity of the toughest mercenary in the frontier systems, a woman called Nova (or a man called Stark). Dangerous, high-paying jobs flourish on the frontier: run guns, kidnap world leaders, assassinate high-profile corporate presidents, or engage in full-scale guerrilla warfare. It features three different real-time combat systems. Fight indoors with blasters and grenades. Dogfight in hoverships as you hug the contours of a rocky planet. Fire megacannons and guided missiles in large-scale space combat. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## HardBall II

Sports simulation. Sequel to HardBall!, the world's best selling computer baseball game. HardBall II allows you to make coaching decisions based upon players' game performances, as well as historical data. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Hare Raising Havoc

Our hero Roger is left in charge of Baby Herman by Mommy, but faster than you can say rubber baby buggy bumper, Baby Herman has disappeared! Players will have to help Roger escape from a seemingly endless string of predicaments to bring Baby Herman back before Mommy returns home. Can Roger find Baby Herman in time? Has he been kidnapped? Why would any responsible parent leave their child with a cartoon rabbit? These questions and more are waiting to be answered in Hare Raising Havoc. \$49.95  
*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## Harley-Davidson: The Road to Sturgis

Jump on your HOG and hit the road to the biggest rally of the year in this adventure/driving combination. Compete in real Harley events, customize your bike, and party with the brothers as you improve your biker ranking. A few too many speeding tickets, blown tires, and bad decisions could leave you eating dust instead of burning rubber! \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Harpoon

Harpoon is a contemporary naval wargame. It has 16-color, 640 x 200 medium resolution graphics and complete digitized sound. Also available is a Scenery Editor \$39.95 and two additional battle sets—North Atlantic Convoy and Mediterranean Sea \$29.95. \$59.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Harpoon's BattleSet #2

BattleSet #2, North Atlantic Convoy provides Harpoon owners with 16 additional scenarios in the strategically important area of the North Atlantic. As the war continues, the early attrition on both land and sea is devastating. Without the ability to get men and material from the Americas to the European theaters of combat quickly and without excessive losses, NATO will lose the war and Russia will dominate the world. As the commander of NATO's North Atlantic Naval Task Force, you are called upon to determine how best to utilize the forces under your control to ensure replenishment of the European theaters. You make the decisions that determine who wins or loses World War III. \$29.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Harpoon's BattleSet #3

The Med Conflict, focusing on the world's hottest confrontational geography in the winter of 1990, is the latest data disk from Three-Sixty for its Harpoon Simulation. It provides a fascinating view of the possible action behind the current international news headlines. Most of the scenarios focus on the region's smaller countries and their potential conflicts, not those of the super powers. Features include 16 scenarios, 60 new platforms, including hydrofoils, helicopter cruisers, German type 209 submarines, and a variety of small combatants. \$29.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ Harpoon's BattleSet #4

Indian Ocean/Persian Gulf. As the situation unfolds, the precious oil resources of the Persian Gulf are in danger of falling into the hands of madmen. The naval forces at your command are the only safeguard against global economic collapse and the destruction of freedom in the region. New Soviet Kusnetsov, French de Gaube, and new Indian carriers. Regional forces from over 24 countries. Several new submarines, including Soviet Alfa, Indian Type 1500, and Indonesian Type 1300. Air forces augmented by new

Soviet MiG-31 and Yak-141, American F-117A, F-15E, B52, and international SU-17 and SU 7BMK. Emphasizes key strengths and weaknesses of submarine warfare and demonstrates role of surface combatants. Requires 1MB. \$34.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Harrier Combat Simulator

Strap yourself into the most sophisticated and deadly close-range combat aircraft of today—the Harrier jump jet. Fly this ultra-realistic plane to destroy the enemy headquarters 500 miles away. You'll need all of your skills to conquer enemy air and ground forces in this exciting flight simulator/combat game. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Harrier Mission

Land on a carrier, hover, and evade missiles. Shoot the enemy down with a heat-seeking missile or gunnery skills. Avoid being shot and make sure you've got enough fuel to return to the carrier. \$24.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Hawaiian Odyssey Scenery Adventure

Explore a tropical paradise with Hawaiian Odyssey. This enhancement disk can be used with all subLOGIC flight simulation products. Hawaii's natural beauty makes it the perfect area for both visual flight sightseeing and VFR or IFR cross-country navigation. Hawaiian Odyssey also offers the very first structured subLOGIC scenery adventure. Locating the secret jewel of the goddess Pele from the cockpit of your aircraft isn't as simple as spotting an object from a distance and then flying toward it; you must find and follow an intricate set of clues scattered about the Hawaiian Islands that will guide you to your goal. 'Hawaiian Odyssey' is an add-on disk designed to expand the flying environment of all subLOGIC integrated flight line products. You must have a subLOGIC flight simulation program in order to use this disk. \$29.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## ● Heart of the Dragon

Dare to enter a world of magic and mystery brought to life in 4096 colors. Heart of the Dragon is a fantasy arcade adventure featuring full character interactions, puzzles & features along with arcade-style excitement. Over 6MB of photorealistic graphics and 4,096-color HAM mode adventure screens make this title an Amiga show-piece! Game features both one-and two-player (cooperative) action, and a computer demo mode. Stunning music and sound effects round out the package. Hard disk installable, AmigaDOS release 2.0-compatible. \$49.95  
*Avatar Consulting, 10868 Camonito Alto, San Diego, CA 92131, (619) 693-1161*

## Heat Wave

Offshore superboat racing simulation. Experience the speed and danger of real offshore racing in a 600 HP superboat. Actual races set in Miami, along the Mississippi, Biscayne Bay, and Ft. Lauderdale. \$29.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Heavy Metal Modern Land Combat

A sophisticated war simulation game that combines the best elements of simulated arcade action and strategy. Each player starts out as a second lieutenant and is able to move up through the ranks based on field performance. \$44.95  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880*

## Highway Patrol II

Summer 1989 on a hot day. You are parked on the side of an interstate in Arizona with the air conditioning on high. From the radio comes an APB, 'alert to all units, a fugitive killer has escaped and is driving eastbound on Interstate 10 towards the state line. Use caution.' Highway Patrol II gives you full simulator power. You control the sliding car, U-turns, tail-spins. Watch out for flat tires and empty fuel tanks. You will have to drive very fast and to catch the villains you may leave the

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# Entertainment

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road and drive through the desert, but the use of your compass and your map is mandatory. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Hits

Four disk games for the price of one, with color and sound from the original. Games include Goldrunner, Slaygon, Jupiter Probe, and Karate Kid Part II. \$34.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Hockey League Simulator

Become coach and general manager of your own hockey league. From first draft through the Stanley Cup playoffs, you make the key decisions. The HLS provides sophisticated, but easy-to-use tools for designing league statistics, including overall standings, leading defensemen, and team power play results, to name just a few. \$39.95  
*Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850, (301) 926-8300*

## ◆ Hoi

Hoi is an advanced game of strategy and reflexes made to challenge your arcade skills. Five levels of many obstacles, puzzles, and foes to evade and defeat. NTSC/PAL. Requires 512K, joystick, keyboard, mouse. WARNING: The stroboscopic effect used in the fifth and final level could trigger EPILEPTIC seizures. If you're at risk, don't play level 5. \$39.95

*Hollyware Entertainment, 13464 Washington Blvd., Marina Del Rey, CA 90291, (310) 822-9200*

## Hole-in-One Miniature Golf

From classic holes to the bizarre, DigiTek Software's Hole-in-One Miniature Golf uses the ease of a special mouse-interface (point and click) to provide fun and excitement for all ages, with as many as four players at once. This two-disk set comes complete with four 18-hole courses and a tutorial course for a total of 90 exciting holes. From the traditional windmill to the inside of a pinball machine. Features multitasking, installable on hard drive, VDO, in RAM. Scorecard printout on any Amiga compatible printer. Extra course disks available. Various holes can be viewed from different perspectives. \$39.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Hole-in-one Miniature Golf Extra Course Disk #3

The additional course disk for Hole-in-One Miniature Golf comes with three more breathtaking courses that give you a total of 54 more exciting holes. Fight gravity, magnetism and disappearances in the holes of Out of This World; enjoy the visually stunning and amazingly realistic holes in Holidays, a journey through holidays of the year; and have fun with the hilarious and educational holes in Alphabet Soup. \$19.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Home Alone

Based on the mega-hit movie, Home Alone puts you in the role of eight-year-old Kevin, trying to foil the break-in of two inept burglars. In this two-phase action game, first you must rush throughout the house, creating traps and pitfalls; then you must lure the burglars into a wacky chase through your clever contraptions as you protect your home—alone. Comic twists and infinite variations, plus digitized pictures and sounds from the movie will make Home Alone the computer game, a family favorite. Available November 1991. \$39.95  
*Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040*

## Hostage

Control a six-person strike team assigned to rescue embassy hostages being held by terrorists in this action/strategy game. Change perspectives instantly with a unique interface. Quick thinking determines which rescuer to maneuver. TV-news quality graphics and easy-to-use controls create an ultra-realistic experience. \$44.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## HoverForce

Set in the genetically engineered future of 2050, HoverForce pits players against Alterants—a deadly and powerful new class of biotechnically-created crime lords. These mutant gangsters traffic in 'Aftershock,' a dangerous new substance more addictive than any known drug. To combat this new race of super-criminal, public officials have created an elite class of genetically enhanced public enforcers known as the Red Wasp Unit, and trained them in the use of the Hoversled 1000—an electrifying flying arsenal with such unimaginable speed, power, and maneuverability that it's no surprise the Alterants too use the craft. You manage the firepower, study the maps, then blast mutants and agile spider mines at the speed of thought. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Hoyle's Book of Games Volume 2: Solitaire

A true card player's delight, with 28 different solitaire games in one easy-to-play package, the game can be played with mouse, keyboard or joystick. Play familiar favorites like Klondike, Canfield, and Pyramid, to lesser known games such as Eliminator, with easy and hard variations on each game. Requires 1 MB. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Hoyle's Book Of Games™ Volume One

Learn and practice six popular card games, from Gin Rummy and Old Maid to Hearts, Cribbage, and Klondike Solitaire. Sierra's high-resolution graphics add to your game enjoyment. You'll enjoy using the highly detailed and realistic playing cards as you test your skills against 18 opposing players, including many Sierra game characters. Play Hearts with King Quest IV's King Graham or Gin Rummy with Princess Rosella, or Crazy 8's with Roger Wilco, hero of the Space Quest games. Or challenge yourself with a game of Klondike Solitaire. It's a point-and-click interface, or you can play it with arrow keys, so any small child can get the hang of it! Requires 1 MB. Will be available for CDTV. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Impossible Mission II

You must stop the return of Elvin—a scheming madman seeking to take over the world in the 25th century. Search through eight levels of difficulty for secret codes that will save the world. \$29.95

*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Indiana Jones and the Temple of Doom

Fight off Thuggee henchmen, cobras, and bats as you attempt to free the imprisoned children in this popular arcade game. Then prepare for a desperate ride on a mine railway, and a battle inside the temple itself. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Indiana Jones™ And The Last Crusade –The Action Game

You lash snakes around the gargoyle. As the Nazi searchlight sweeps upward, you swing to the tower window. It takes two-fisted courage and whip-quick reflexes to get Indy past murderous grave robbers, fanatical Nazis, and medieval mantraps in this classic arcade action game. Whip, punch, and dash your way through four levels to score high in excitement. Plenty of non-stop action. \$39.95

*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Indiana Jones™ And The Last Crusade –The Graphic Adventure

Join Dr. Indiana Jones on challenging new adventures in his daring quest for The Holy Grail. Try to surpass Indy himself in courage and cunning, and build your I.Q. (Indy Quotient) score. An exciting battle of wits with stunning 3-D graphics, sound effects, and movie theme music. \$49.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Indianapolis 500: The Simulation

Players compete against 32 other cars in races ranging from 10 laps to the full 200 lap race. You can also practice before the race and then enter the qualifying rounds to try for the Pole position. Eight different systems on the car can be adjusted and saved to disk for later use, including shock settings, wing angles, and tire selection. Accidents on the course create spectacular special effects and can be viewed from multiple angles using Instant Replay. Create and save up to three custom cars or join one of three teams. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Indoor Sports

Turn your computer into an electronic game room, with versions of bowling, darts, air hockey, and ping-pong. Play against the computer or against a friend. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Insanity Fight

Battle in space against the evil Death Ship. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## International Soccer

Options for playing soccer put the control in your hands. You determine the challenge, and you call the shots! Control the weather: wet and slippery or the more predictable dry. Try a night game with shadows, or select a game in the wind. Choose midfield players and outfit them in colors of your choice. Half and full time score is displayed on the electronic scoreboard. Fans cheer you on to the World Cup, and onscreen referees ensure fair play. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## ◆ International Sports Challenge

This sports simulation has six different sports and 21 separate events to stretch your sporting skills to the limit. Four swimming events are included, each allowing you to control the stroke, the athletes' breathing and end of lane turns. There are four cycling events where you control balance, steering, and speed. Show jumping offers the horse enthusiast a stunning view from the saddle as you complete four challenging courses. The diving competition allows you to compete in three events, including high diving, and allows you 50 different dives to choose from. Four different shooting events allow you to make use of your steady hand. The marathon makes an intriguing link between events, but pace yourself carefully. \$49.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Iron Lord

In Iron Lord, you embody a noble knight whose uncle has seized the throne and killed your father the king. It's up to you to overthrow him and recover your birthright. Recruit an army by traveling around to villages and performing services for the local people. Win money in the various contests: arm wrestling, archery, dice, and more. Survive this and you will face your uncle and horrific monsters in an exciting labyrinth section. There's even the world's first 3-D sword-fighting simulation. Numerous subgames mean that you'll never reach a dead end, making this game ideal for beginners and experts alike. \$39.95  
*UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749*

## JUG

You are an interactive humanoid composed of titanium fleximetal and other organic materials. First built in 36412 AD, you were nicknamed JUG because of your barrel-chested profile and the ability to transform into many different shapes. Your duty is to seek out the deadly tumor that is destroying the planet Spireaus. Trap doors enable you to move up or down a level. The planet's immune system will see JUG as a hostile and alien body. Beware of attacks from the very planet you are trying to rescue. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Jack Nicklaus Presents The Major Championship Courses of 1989

Jack Nicklaus Presents The Major Championship Courses of 1989, is the second in a series of golf simulations created in association with Jack Nicklaus Productions. It is an add-on accessory disk exclusively for use with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf and contains simulations of the host courses of this year's U.S. Open, PGA and British Open Championships. With this new add-on accessory disk, computer golfers are provided with simulations of three distinguished courses of this year's championships including Oak Hill, Kemper Lakes, and Royal Troon. Each of the three courses will provide computer golfers with distinct scenery and challenges where they can compete like the pros did during this year's Majors, and perhaps beat the score of the winners. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus Presents the Great Championship Courses of 1990

Exclusively for use with Jack Nicklaus' Unlimited Golf & Course Design and Jack Nicklaus' Greatest 18 Holes of Major Championship Golf, this add-on course disk contains the grand slam course of 1990 including Medinah Country Club in Illinois, Shoal Creek in Alabama and St. Andrews in Scotland. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus Presents the Great Courses of the U.S. Open

Number four in a series of add-on course disks exclusively for use with Jack Nicklaus' Unlimited Golf & Course Design and Jack Nicklaus' Greatest 18 Holes of Major Championship Golf. The new course disk contains three of the most challenging and popular courses to ever host the U.S. Open including Pebble Beach Golf Links, Oakmont Country Club, and Baltusrol Golf Club. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus Presents the Major Championship Courses of 1991

This is the fifth in a series of add-on course disks exclusively for use with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf and Nicklaus' Unlimited Golf & Course Design. It contains simulations of the host grand slam courses of this year's U.S. Open, Hazeltine National Golf Club; British Open, Royal Birkdale Golf Club; and PGA Championship, Crooked Stick Golf Club. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus' Course Designers Clip Art v1

Contains more than 70 finished course objects, three new land plots and nine new scenic backgrounds for creating beautiful and challenging courses applicable to any climate. The Clip Art disk also adds a bonus 18-hole championship course, Desert Highlands Golf Club in Arizona, to the collection of add-on courses for Jack Nicklaus' Unlimited Golf & Course Design. The disk includes a selection of land plots representing three different geographic locales—a seaside vista, lush parkland, and a stark desert atmosphere, each with its own distinctive background which can be exchanged with up to six additional scenic horizons for a total tailored look. A wide collection of finished objects such as trees, cacti, rocks, and animals as well as golf carts, clubhouses, fountains—even a ball washer—helps course architects add the perfect finishing touches to their designs. \$24.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus' Unlimited Golf & Course Design

This newest computer golf simulation contains all the realistic elements of championship play as well as all the tools needed to easily design challenging and visually stunning holes and courses. Included within this simulation is The Bear's Track, an oceanfront 18-hole course designed by Jack Nicklaus and his team exclusively for this new product, and a re-creation of Muirfield Village, another course designed by Jack Nicklaus

and site of The Memorial Tournament. Among the features included are Instant Replay, Reverse Angle Replay, and an optional Break Grid that can be played over the green for easier interpretation of the break. Using Jack Nicklaus' Course Design, computer golfers can build their own championship layouts or re-create favorite holes they have seen or played. \$59.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus' Greatest 18 Holes of Golf

Players play against a computerized Jack Nicklaus on 18 of his favorite holes or try their hand at two original Nicklaus-designed courses. Play with four people or a variety of computerized men and women. Skins scoring or stroke play; pro, men's or ladies' tees; wind intensity and direction; uphill; downhill. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus' International Courses

Three international courses to be played with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf, offering computer golfers a fantasy vacation overseas with the opportunity to play on precise simulations of three championship courses designed by Jack Nicklaus in Australia, Japan, and England. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## James Bond: The Stealth Affair

A graphic adventure game in which the player takes the role of James Bond and must find the missing Stealth Bomber. \$54.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001*

## James Clavell's Shogun

As John Blackthorne, the charismatic lead character in James Clavell's novel, the player enters the 16th century. Blackthorne, an English sea pilot, has embarked on an uncharted route to Japan. Upon reaching land, he is thrust into the upper echelons of feudal Japan society at the moment a political power struggle is erupting between two Japanese regents who aspire to be Shogun. While adapting to this exotic culture, the player befriends one of the regents, Toranaga, and falls in love with the lovely court translator, Mariko. The action of the story revolves around powerful political forces which influence and ultimately control the player's life and the lives of Toranaga and Mariko. Shogun catapults players into a world rich in Japanese history and culture. Shogun's graphics are in traditional, 16th-century Japanese style and are used as text borders and story illustrations. Rewards are given for solved puzzles and successfully handled situations. \$19.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500*

## Japan Scenery Disk

For subLOGIC flight simulation products. Covers detailed scenery from Tokyo to Osaka. Delightful international adventure. \$24.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## ◆ Jigsaw

An interactive puzzle which breaks a picture into pieces and lets you put them back together. For younger users, it provides an environment in which to develop visual perception, language, matching and sequencing skills, and concepts of rotation. Features include on-disk interactive manual, simple pick and place, difficulty levels ranging from six to 80 pieces, click on text to hear it spoken, variable startup conditions, add your own pictures, and create fixed grid pictures. £19.99 \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

## Jigsaw Puzzlemania

Every puzzle is cut into authentic jigsaw shapes. Ideal for all age groups, each puzzle can be played in six different sizes ranging from 4x4 to a challenging 12x12 (144 pieces). Players are timed and wrong moves result in a penalty. Comes with over 10 puzzles and the ability to accept the user's

graphics, allowing the creation of personalized puzzles. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Jigsaw! The Ultimate Electronic Puzzle

Jigsaw! features dazzling, colorful pictures that are a treat to behold. Choose from four levels of difficulty: 60 pieces—the ultimate challenge; 40 pieces—the standard level; 15 pieces—a great level for kids or for anyone who wants to get acquainted with the program or 8 pieces—easiest level, great for children ages 10 and under. \$39.95  
*Compton's New Media, 345 Fourth Street, San Francisco, CA 94107, (800) 572-2272*

## Jimmy Connors Pro Tennis Tour

Bring the challenge and thrill of professional tennis to your computer screen with Jimmy Connors Pro Tennis Tour. This realistic professional tennis simulation puts you on center court at the tournaments of the world, including Wimbledon and the U.S. Open. Are you ready to challenge the pros? Step onto center court, and tighten your grip. \$49.95  
*UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749*

## Joan of Arc: Siege & The Sword

Joan of Arc: Siege & The Sword offers five exciting action sequences, including large-scale battles in open countryside, hand to hand struggles with individual English soldiers, and perilous assaults on soaring fortress walls as boulders and scalding oil rain down. This history-based game blends action and strategy with a rich storyline. The player takes the role of Charles VII and can raise armies, collect taxes, ransom prisoners, and send out spies. Up to 20 game options are possible at every turn! Seventy-three authentic provinces and towns, and 31 historically-based characters, each with different strengths and weaknesses, add to the challenge. \$44.95  
*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263*

## Jockey Competition Option Module

The Jockey Competition Module involves you in a tough tournament and carrier battle as you pit your skills as a jockey against 14 other computer jockey opponents. Plot strategies and develop your career as you select exactly which thoroughbreds to ride to victory. This module provides detailed records and ever-changing stats. It also turns on existing code within all Track Modules to now allow you to actually control the horse you're riding in each race. Existing Tracks 1 and 2 allow this action through joystick or keyboard control while displaying side and overhead views. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Joe Blade

Rescue six world leaders being held hostage by the leader of an infamous group of terrorists, Crax Bloodfinger. Joe Blade must fight the perils of danger, disarm six bombs before they explode, collect keys to cells, ammo, and food. Great color graphics. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Journey

Journey is a graphically-illustrated world of dwarfs, elves, nymphs, and wizards in a despairing village that has been enduring great suffering for five years. When all hope begins to fade, a party is sent out on a quest for the revered wisdom of a great wizard, Astrix. As an apprentice food merchant, the player accompanies the party and keeps a diary of their journey. The player shares in the magical adventures of Tag, Praxix, Bergon, Esher, and Minar as they solve puzzles, overcome obstacles, and explore unknown lands. Journey players pass into the adventure with ease by simply selecting commands from a menu. Since each character can act on his own, he must play the part of a combat strategist, physician, magician, and character judge—all while pursuing the defeat of evil which has infested the land. \$29.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500*

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AC's Back Issue Index
Vendor/Product Registration
User's Groups
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## KNIGHT FORCE

The kingdom of Belloth is the crossroad of time and space, with each gate being the entrance to the past and the future times. Princess Tanya has been seized by the sorcerer, Red Sabbath. You will travel through time to collect the magic amulets to be able to fight Red Sabbath and his clones. Your enemies are the guards of the sorcerer who resides in the magic castle. Game played over five time zones, including prehistoric, medieval, and present day. Outstanding backdrops, realistic graphics, and animation including: castles, caverns, urchins, skeletons, and other mystical creatures. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Kaleidokubes

Kaleidokubes is an addictive mind-bender whose game concept appears simple, but becomes more complex as the game board fills and the game clock winds down. Similar to a color dominoes, your goal is to match the color sides of a randomly generated kube with the kubes already placed on the playing board. The more sides you can match, the greater your score. You can play against the computer, another person, or in solitary mode in which you play against the clock. You can also design and save your own playing boards. Features three levels of difficulty and digitized sound effects. \$24.95  
*Artuorx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Kampfgruppe

Tactical WWII game featuring all the weapons used on the Russian Front from 1941-1945. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Karate Kid Part II

One or two players, joystick or keyboard option, sound and graphics. You must discover the secret of the drum or die! Catch flies with chopsticks and break ice with your bare hand in full size with animated graphic screens. \$19.95  
*MichiTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Keef The Thief

Keef the Thief is a unique role-playing experience that mixes humor with action in an adventure that includes dramatic combat, multi-level spells, and puzzles to solve at every step. And your goal is a simple one: become the absolute ruler of everything and everyone! In Keef the Thief, you're young Keef, a juvenile delinquent out on your own for the first time. You're faced with survival in the Tri-City Area: a vermin-infested continent tangled with thick, steamy jungles. If things aren't bad enough, rumor has it that a supremely evil magician is trying to create the magic necessary to rule the continent. Since you have delusions of grandeur, you set out to beat him to it. Amusing narratives accompany you as you explore the more than 25 complete levels, which are inhabited by over 200 species of drooling monsters that think that thief meat is sweet. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Keith Van Eron's Pro Soccer

Keith Van Eron, goalkeeper for the outdoor soccer powerhouse Dallas Tornado and a living MISL legend, played every game of his career on the edge. Keith Van Eron's Pro Soccer gives you the same chance. Featuring a unique, 3-D view of the action and players that not only kick the ball, but dive, slide, and jump in the air after it, Keith Van Eron's Pro Soccer will provide endless hours of fun, whether you're playing a solitary game, or challenging a group of friends to a World Cup Tournament or grueling MISL season-long schedule. Soccer playing tips (complete with photographs) are provided in the manual. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Killing Cloud

Players assume the role of a high-flying San Francisco police officer in the year 1997. The Killing Cloud, a 100-foot thick mass of pollution, covers the earth. One breath of its fumes is fatal. The player must transport survivors to safety above the cloud in a XB500 hoverbike. Crime is rampant

as all the old street gangs unite to form the Black Angels. The ultimate mission is to gain information on the Black Angels, break the stronghold they have on the city, and uncover the sinister mystery of the cloud. \$19.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## King's Bounty

Taking the part of a legendary hero/heroine, you will explore four unique continents, raise vast armies, and siege dozens of castles. You will be pitting yourself against a variety of evil villains while you try to recover the Kings stolen Scepter Of Power. Fantastic graphics, the ability to save at any time, and transparent interface make this an easy-to-play, fun, and challenging game. \$49.95  
*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## King's Quest I

Remember how much fun you had playing your first adventure game? Sierra is out to revive those memories with its re-release of King's Quest I. Every background picture and animation cel has been completely redesigned and redrawn, and all text rewritten to tell the game's story as vividly as possible. The addition of a fully orchestrated soundtrack has been added to enhance the gaming experience. Take on the role of brave Sir Graham, in a quest to restore three magical treasures to the land of Davenport. Outwit a troll, duck a thief, defeat a leprechaun—get all the same fun of the old game including mind-bending puzzles. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest V

Fans of the series will be happy to note the return of King Graham of Davenport, hero of two previous King's Quest games. In a sudden turn from his serene and untroubled life in the peaceful kingdom of Davenport, Graham must once again don his adventurer's cap to rescue his queen and his son and daughter, who have been kidnapped by the evil and powerful magician, Mordack. With the help of a kindly old wizard and a talking owl, Graham journeys to far lands on the most exciting and perilous quest of his life. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest II: Romancing the Throne

Join King Graham on a search for three magic keys to an enchanted land. Fly on a magic carpet, meet King Neptune and Dracula, and rescue the woman of King Graham's dreams. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest III: To Heir Is Human

Help Gwydion break free of an evil wizard. Meet merry sailors, Medusa, and the Abominable Snowman. New self-mapped system keeps track of where you've been. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest IV: The Perils of Rosella

King's Quest IV will be the first computer game to exploit the new higher graphics resolution of today's machines. A virtual army of artists, musicians, and programmers have combined their talents to make King's Quest IV a truly incredible experience. Requires 1 MB. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Knights of Legend

Interact with hundreds of colorful residents in Ashtalarea. Undertake 24 different quests and face a wide variety of terrifying foes. Design the weapons and spells that you will use to defeat your challengers. The first fantasy role-playing game to offer a modular design. Over 300 bit-mapped pictures, including 100 character portraits, 90 towns, hamlets and shop illustrations, and 32 monster illustrations. Create up to six characters and customize weapons and armor, a possible 729 combinations. \$49.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Knights of the Crystallion

The Knights of the Crystallion takes players to Orodrid, a city hollowed out from the skeletal remains of a gargantuan beast in whose massive skull waits the Crystallion, a mystical, crystal horse of uncommon beauty, strength and intelligence. Players who excel at five separate quests are given the means to hatch the Crystallion from its crystal egg, harness its powers, and join the ranks of The Knights of the Crystallion, whose honor it is to lead the great city. Each of the five quests is designed to help the player become more in tune with the culture of Orodrid, a society rich in music, art, poetry, politics, and religion. \$59.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## Knights of the Sky

A simulation of aerial combat an gallantry in World War I. You are a hunter stalking Germany's most celebrated pilots, including the infamous Baron Manfred von Richthofen. Using news and intelligence reports as well as your own intuition, you track down the 16 men whose successes diminish your own. In the gallant tradition of the ancient knights, you challenge each to determine who is truly World War I's Ace of Aces. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## L.E.D. Storm

Enter the world of L.E.D. Storm, a world like no other. If you're looking for a yellow brick road, dream on. This is a land of evil robots, rabid wolves, dark tunnels, cars packed with TNT, narrow roads, and deep drop-offs. Test yourself and your nerve through nine challenging stages of realism, on a roadway elevated high above the ground. Synthesized music heightens the drama and the excitement. Pick up energy boosters along the way for extra fuel and to shield you from enemy attack. Don't bother to check the weather map. Dark clouds and storms are moving in fast. \$39.95

*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## ◆ LINKS

The ultimate golf program. LINKS has been re-programmed, not just ported, to take advantage of the many features provided by the Amiga. HAM mode graphics and 4096 color modes provide the most realistic experience possible. Incredibly accurate renderings of championship courses, including Torrey Pines in San Diego, set LINKS apart from other golf games. Requires hard disk and 1MB memory.  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880*

## ◆ Larry S: Passionate Patti Does a Little Undercover Work

In his latest episode, Larry awakens to find himself the Chief VCR Rewinder for America's Sexiest Home Videos, a mob-controlled TV program. Chosen by his boss to find the show's hostess, Larry embarks on a cross country quest to audition the three sexiest women in America. Meanwhile, Patti goes undercover for the FBI to expose corruption in the entertainment industry. Not until the end of the game do our dynamic duo come together, exposing the sleazy underside of the underworld. Help-you-along function assists new gamers through the introductory rooms. Fast forward icon included. Soundtrack scored by Craig Safan. Ships with seven 3.5-inch low density disks. Requires 1MB, Workbench 1.2 or later, and two floppy disk drives or a hard drive. Supports standard Amiga four-voice sound. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Last Duel

Journey light years away, if you dare, to two warring planets. Double trouble on a grand cosmic scale. The worlds are anticipating your arrival. Their fate is totally in your hands. Save the queen. Crush the Galden uprise and return control of the planet to its peace-loving inhabitants. The fighting will be fierce, deadly, incredibly fast, and furious. You may not survive. Accept this assignment only at extreme risk. Fight your way through six increasingly challenging levels of

confrontations. Attack three-headed monsters and aliens with ultra-powerful laser weapons. Blast your way through a mad maze of intrigue, Galden's Route, a black hole where nothing escapes. An extraterrestrial S.O.S. has reached Earth. Will you respond? \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## Leader Board

Golf game simulation with four irons and a driving range for practice. \$44.99  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880*

## Leander

In Leander, you are the handsome hero and savior of princesses. Travel across three danger-fraught worlds, fighting powerful enemies, and finding and using spells, potions, and weapons to your advantage to save Princess Lucanna. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Leatherneck

Storm the beach to rescue your buddies held captive behind enemy lines. Combat arcade game. One to four players. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Legend of Faerghail

Leading a small band of adventurers through the wilderness, you keep a sharp eye out for the bloodthirsty Skyrt-dragons, orcs and werewolves that inhabit the dark forests. You search for the shadow of death that's been cast across the land, but haven't realized the incredible danger until now. Encounter 80 unique and intelligent enemies; explore eight dungeons with more than 1,000 separate rooms and chambers; select or learn from 12 different trades; gain and use specific abilities with negotiating, attack, defense, concentration, etc.; use 31 magician spells, 25 illusionist spells, and much more! \$39.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Leisure Suit Larry II: Looking for Love in Several Wrong Places

Jump on board with the hilarious Larry Laffer as he makes a play for the girl of his dreams. Adult humor. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Leisure Suit Larry III: Passionate Patti in Pursuit of the Pulsating Pectorals

In the third Larry game, Larry's pursuing Passionate Patti, but his luck with women is running as usual. This is the first Sierra adventure ever to allow players to switch roles in mid-game. From Larry, looking for his self-esteem, to the lovely Passionate Patti, who's on a quest for the man that got away. Requires 1MB memory. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Leisure Suit Larry in the Land of the Lounge Lizards

Spend a memorable evening on the town with Leisure Suit Larry. Romp through singles bars, hot tubs, mean streets, and a blind date nightmare. Communicate in full sentences with 3-D animated characters. 900-word dictionary. Adult humor. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Lemmings

Lemmings establishes a brand new category of game for the Amiga. You've never seen anything like it! Hordes of tiny characters that you have to guide through many levels of obstacles and adventures building bridges, digging tunnels, climbing mountains, parachuting to safety. Get them on their way through each level as quickly as you can, or they start to inundate you and happily proceed to their own oblivion. Each level requires you to construct increasingly complex routes to save as many Lemmings as you can. Lemmings features tiny, incredibly-detailed and expressively-animated characters (up to 100 Lemmings on the screen at once), one-player or split screen two-player action, 100 mind-blowing

increasingly difficult playing levels, and some of the most entertaining game playing music you'll ever hear. This one is a classic! See CDTV section also. \$49.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Les Manley In: Search for the King

This new 3-D Animated Graphic Adventure introduces players to 33-year-old Les Manley, a meager but well-meaning video technician who stands to improve his status, his bank account and his love life if he is the first to find The King, the world's greatest and most elusive entertainer. Les is a lowly employee of WILL, the lowest rated television network in New York. In order to raise it's rating, WILL is sponsoring a contest whereby it will award \$1 million to anyone who can find The King, wherever he may be. Whoever can discover the location of this international star (he has a fan following in the multi-millions) will be rewarded with a fortune and for Les, adoration from Stella. \$59.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Life And Death

You are the surgeon! Talk with your patient, read charts, order x-rays, ultrasound, blood tests, and other lab work. Make decisions that determine whether your patient lives or dies. In the operating room, your skill with the scalpel while monitoring on-screen EKG, pulse, blood pressure, and other vital signs will determine whether your patient goes to recovery... or the morgue! \$49.95  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Light Corridor

A futuristic 3-D puzzle game based on controlling and moving objects through space and time. Travel at the speed of light and ensure the safe passage of chosen objects through the tunnels of time. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Loom

Loom is set in the Age of Great Guilds, a mythical time when Shepherds, Blacksmiths, and Glassmakers ruled the world. Its hero is Bobbin, a young member of the mysterious Guild of Weavers, who finds himself playing the pivotal role in a mighty conflict between good and evil. Bobbin finds a distaff, the Weavers' magic wand, which is the key to Loom's unique interface. Divided into eight segments, each related to a musical note, the distaff both detects and weaves magical spells. For example, Bobbin encounters a flock of owls in a dark forest. The hooting of the owls is a musical sequence that triggers four notes on the distaff. When Bobbin repeats the four notes, he is able to see in the dark. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Loopz

The most addictive game ever! It's very simple; you get pieces of different sizes and shapes. Then you put them together to form Loopz. You can move the pieces around the playfield and rotate them. The more complex the loop, the more points you score. It's so simple, in fact, most people can easily finish their first session in about five or ten hours!  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Lords of Time

A graphic adventure on a grand scale. Guide our time traveler on a quest to return to his own world and time. Superb graphics, 10,000 playable screens including caverns, mazes, forests, mountains, islands, and castles. Character can learn skills, choose from inventory of more than 50 items. Adventuring in its highest form. \$49.95  
*Hollyware Entertainment, 13464 Washington Blvd., Marina Del Rey, CA 90291, (310) 822-9200*

## Lost Patrol

Dateline: June 7, 1966. Following a peaceful stint of rest and recreation in Saigon, a chopper carrying six G.I. grunts and a Staff Sergeant crashes in the rugged central highlands of Vietnam. The seven soldiers face a nightmare trek across 57 miles of harsh terrain, infested with booby traps

and enemy forces. With little food and less ammunition, their chances of reaching a safe haven are less than slim. So you have to ask yourself: Are you a survivor? As Sgt. Weaver, your mission is to lead the men to safety. You are in command. \$49.95

*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## Lunar Rescue

Arcade action in an outer space adventure! All your wits and skills will be challenged in this race to rescue the crew of Apollo 19, stranded on the moon during a surveying mission. Digitized NASA footage provides realism. Cinematic cut-scenes create suspense. A space Database teaches you important facts about space and our solar system using animated graphics, sound effects, and huge scrolling lunar landscapes. \$39.99  
*Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317*

## M1 Tank Platoon

U.S. tank platoons have four M1's. Four soldiers operate each. That's four tanks, 16 men. And you control the whole shooting match. The fun of a four tank platoon in one great game. \$69.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## MEAN 18

Golf simulation on three famous courses, plus one home course. Course Architect lets you design or modify an entire course. \$44.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Magic Fly

Magic Fly is set in the distant future where spacecraft chillingly resemble modern-day invertebrates, such as the Centipedes, Tarantulas, and Scorpions. The player takes the role of a member of Magic Fly Squadron, part of an elite force policing the edges of the known Universe. Features 3-D solid vector graphics, with over 30 different alien craft to overcome in combat. Over 10 formidable weapons at your disposal, such as the Limpet Mines, three types of lasers, and the Atomic Sledgehammer. \$39.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Magic MVP Johnson

Basketball the way the pros play. Arcade action brings the realism of the big time game home to you in this direct translation of the popular coin-op arcade game. Make the jump shot and of course Magic's fast break with a slam dunk finish. Dribble around your opponent to make the lay up that wins the game! Features arcade quality animated graphics and characters, full-court scroll-screen, two-on-two play, and full stats. \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Magic Pockets

From Konami and Renegade. The Bitmap Kid has been gifted with bottomless pockets, but some of his favorite items, including his bike, have been lost. To retrieve them, he must travel through four levels while destroying highly intelligent enemies, such as froggers, slimmers, rockers, and hiders. In each world, the Kid uses the elements to affect the world in different ways. For example, when the Kid throws clouds in the jungle, they burst, causing plants to grow, creating new platforms for him to hop onto. Available second quarter 1992.  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Major Motion

Race and battle against the dragsters, the Draconian League, in this fast-paced driving game. Watch out for helicopters and motorcycles. Joystick recommended. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Manhunter: New York

Two years after an invasion, you are forced to hunt down and report human activities to an evil alien takeover or choose to be a supporter of the human underground. Includes New York City map, split-screen viewing. \$49.99  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

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## Manhunter: San Francisco

A plague of terrifying Orbs has overrun San Francisco, spreading horror, tyranny, and death. You are their pawn—a manhunter. Hunt your own kind for the alien masters in this thrilling and horrifying adventure game. Risk your life by turning against the Orbs to work for the cause to free humanity. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Maniac Mansion®

A hidden panel opens and out falls a tape cassette. This might be the clue that frees Sandy from Dr. Ed's lunatic lobotomy lab! There are 450 entertaining objects to discover in this madcap adventure through the 50 detailed rooms, zany adversaries, and off-beat humor of the Maniac Mansion.® No typing—just non-stop point and click fun with your rescue team of colorful characters. \$44.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Mean Streets

An interactive detective movie. It's the year 2033. Your name is Tex Murphy, private investigator in San Francisco. You've been hired by the beautiful daughter of a university professor to uncover the facts about her father's death. Interact with more than 27 characters which animate, respond to questions, bribes, and threats. \$49.95  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880*

## Medieval Warriors

Art thou a mighty warrior or a base knave? Put thy military skills to the test with this challenging medieval battle strategy game. Each army is comprised of 12 animated warriors which move and fight upon thy command with bow, knife, axe, and sword. Thou may pit thy military skills against those of thy computer or, if it is thy preference, play against another human player, either on a single computer or over thy telephone with two computers equipped with modems. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## ♦ Merchant Colony

Set sail for the seven seas. Merchant Colony is based on the history of world economies—all in a fun-packed, high resolution video game that the whole family will enjoy. Use the world map to survey your empire, monitor the progress of your sailing fleet, and protect your ships from bands of roving pirates. Establish colonies, develop industries, and battle native uprisings while you import and export goods in your quest to trade your way to riches. By Impressions. Requires 640K RAM; EGA, 16-color VGA, or 256-color MCGA. Mouse highly recommended. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Merlin

An apprenticeship in the Old Way/shamanic tradition. Your journey begins in the Underworld where three nice ladies will help you burn away fear and hatred, and increase joy, love, and responsibility in your life. The journey is long and difficult, and at the end, the old women and Merlin will take you to the top of a great mountain. There, in the early morning light, you will become aware of all that you have always been. \$29.95

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## ♦ MiG-29 Fulcrum

Fly the Soviet Union's MiG-29 Fulcrum. Designed by Simis, a former British Aerospace flight simulator design team, MiG 29 provides real sounds and images to produce the thrills of combat. Gives an unprecedented high level of unique and accurate technical detail. Prove your skills in an array of progressively more complex missions in different locations. Four different viewing perspectives on the action. \$49.95  
*DoMark, Dist. by Accolade, 550 S. Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## ♦ MicroLeague Baseball: The Manager's Challenge

What would the 1927 Yankees do against the 1986 Mets? How would Ted Williams do against a Nolan Ryan fastball? Find out with MicroLeague Baseball! Control one of the 26 all-time teams that come with the game, or create an all-star team of your own with the optional General Manager/Owner disk. Features include pop-up screens for easy mid-game access and substitutions, offensive and defensive options, stealing and base running ratings, fatigue and power factors, fielding average plus throwing range and arm strength. Also included is a stat compiler disk to keep track of your team's players throughout the season. Price:\$49.95. Optional General Manager/Owner disk:\$29.95. 86-91 Season Disks:\$19.95. Franchise History Disks: \$24.95. Stadium Disks (American, National, or Classics): \$24.95 \$49.95  
*MicroLeague Sports Association, 2201 Drummond Plaza, Newark, DE 19711-5711, (302) 368-9990*

## Midwinter

You must protect the Midwinter Isle, the last habitable oasis on earth. Controlling up to 32 characters, you must defend an immense playing area of over 160,000 square miles. You can ski, hang glide, snow buggy, or travel by cable car across stunning glacial landscape, shooting, sniping, and sabotaging the intruders. Featuring a unique, 3-D fully light-sourced graphics system and unprecedented action sequences, Midwinter will keep you locked in the Ice Age for a long, long time. \$39.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Might and Magic II: Gates to Another World

Embark on a glorious journey to save the world of Cron. Test your ingenuity with over 250 animated monsters. Ninety-six spells, more than 250 weapons and items, two new character-classes, hirelings, and 15 secondary skills will aid your cause. Detailed 3-D color windows, excellent graphics, and animated monsters add to the excitement. \$19.95  
*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## Might and Magic III: Isles of Terra

In the Might and Magic tradition, explore the incredible islands of Terra. Journey to the deepest cavern, discover the secrets hidden deep within dungeon walls, and wander beyond the beaten path across terrain ranging from deserts to swamplands. Battle against bloodthirsty monsters as you seek to fulfill the quests of Kings and ghostly Sorcerers. The tools you will use to reach your ultimate destiny are your mind, might, and magic. \$59.95

*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## Mighty Nerd

Try this fast-paced action packed game. The user provides the superhero with the superpowers which he uses to thwart the supervillains. Four levels of play, each with its own colorful scrolling map. Character editor allows the player to edit the powers of the superhero. \$49.95  
*ISM, Inc., PO Box 247, Phoenix, MD 21131, (301) 527-1988*

## Mindwalker

Talk about a split personality. With this program, you're a physics professor gone mad. Your ego has split four ways: that of a muscleman, a mathematical whiz kid, a fantasy creature, and a beautiful water nymph. All four of you must combine your resources to journey through the mind and make it whole again. \$34.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Mixed-Up Mother Goose

The enchanting Mixed-Up Mother Goose takes your child on a wonderful adventure in dreamland where they will help Mother Goose to find her mixed-up rhymes and restore them back to normal. Mother Goose comes with written and visual clues to help your child play the game. Easy-to-use joystick or keyboard controls make playing a snap. Helpful pull-down menus assist children throughout the adventure. Includes a free

full-color map of Mother Goose Land. Up to 12 players can save their game, according to their name, to disk. Easy-to-use menus make it simple to play the game, save it, and select options such as a joystick control. Randomly located objects and characters allow your child to enjoy playing this adventure over and over again. \$29.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Moebius: The Orb of Harmony

Combines the features of animated martial arts games with the challenges of fantasy role-playing adventures. \$39.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## ♦ Monkey Island 2: LeChuck's Revenge

This sequel to the award-winning Secret of Monkey Island follows the continuing hilarious pirating adventures of Guybrush Threepwood. The game features scanned art and iMUSE™, Lucasfilm Games' new interactive music and sound effects system. NTSC/PAL. French, Spanish, German, and Italian versions. Requires IMB, keyboard / mouse supported. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Monopoly

Play the best-selling board game of all time with friends, against the computer, or with a mixture of human and computer-controlled opponents. Enjoy the thrill and excitement of wheeling and dealing with the added enhancement of computer animation. Amass and lose great fortunes buying and selling railroads, utilities, and properties of all types. Collect rent and increase the value of your properties by building houses and hotels. Vie with crafty strategem for control of key properties such as Boardwalk and Park Place. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Moonbase

You are Commander of Project Moonbase, NASA's long range plan to colonize Earth's moon. From your multi-million dollar annual budget, you must establish a base, then manage its growth into a full fledged, independent colony. With savvy and luck, you may create a self-sufficient city on the moon, but not without handling the leadership problems in this political and physical environment. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Mouse Quest

Help Marvin the Mouse as he tries to prove himself and win back his girlfriend Meryl. Fifty levels of fast arcade action with terrific graphics and sound. \$19.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## ♦ Move It! & Slide It!

Interactive puzzles which break a picture into pieces, muddle them up and let you put them back together. Slide It! works like a sliding block puzzle. Move It! works by directly swapping pieces, making it easier for younger users and more effective for developing sequencing skills. Features on-disk interactive manual, simple point-and-click operation, difficulty levels from nine to 64 pieces, add your own pictures, and create fixed grid pictures. £19.99 \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

## Multimedia FX™

A sound effects synthesizer with video image synchronization. Compress video sequence images, make wild new sounds and beats, sound controls image sequencing, create, save, and playback. NTSC/PAL. \$29.95  
*Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448*

## Murder on the Atlantic

You've just set sail for a relaxing journey when a sudden murder calls on you to investigate 40 suspects, 600 shipboard rooms, and search for 22 mystery-solving clues. \$39.95  
*Intracorp, Inc., 14540 SW 136th St., Ste 204, Miami, FL 33186, (800) 468-7226*



## Murder!

For people who love a good, vintage murder mystery, especially on dark and stormy nights, the game of Murder! provides nearly three million different murder cases for computer sleuths to solve. Search the house, interrogate suspects, investigate clues, and reap the rewards of pinning the crime on the murderer. Act too hastily accusing the wrong suspect, and your days as a detective are over. Players have just two hours to solve the crime before the murderer escapes the house. The game includes a murder casebook containing summaries of a dozen of the most notorious cases in the history of murder. \$44.95 U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607

## ♦ Murders in Space

Everything was going as planned on orbital space station Pegasus. The eight-member crew followed its detailed experiments on the sophisticated scientific equipment to the constant background drone of the floating station. Then...the first victim was discovered, turning the adventure into a nightmare. In this highly developed space simulation, you'll discover life on board an orbital space station as you carry out your investigation into the mysterious victims. You'll need to fly the space shuttle, conduct complex medical experiments, and explore the world outside the station—all in a zero gravity environment. Can you master these disciplines and solve the murders in space? \$49.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## Muscle Cars

All-American Car Disk for The Duel. The five cars are: 1963 Corvette Sting Ray Split Window Coupe, 1968 Shelby GT500 Mustang, 1967 Pontiac GTO, 1967 Camaro 427, and a 1969 Dodge Charger Daytona. \$21.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## ♦ Mystical

As a novice magician you clumsily cause the disappearance of your master's phials and scrolls. To prove your worth you must enter into parallel worlds to recover the vanished instruments. You travel through magical kingdoms coming face to face with unscrupulous gods and evil druids who try to prevent you from achieving your goal. \$49.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## NFL Data Disk

Data disk contains player readings for all 28 NFL teams allows you to simulate games between NFL teams on GRIDIRON! \$19.95 Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300

## NY Warriors

The World Trade Center has been taken by terrorists! As the commander of an elite strike force, you are the only one who can keep them from blowing it up! 1MB version: \$49.99. Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## NapGap

Napoleon's Game Assist Program is a wargame calculator for miniature wargames of the Napoleonic era. Based on standard rules and modified by several years of playtesting. It can calculate weather, firearms, vallying, melees, and more. NTSC/PAL. \$49.95 HC Software Australia, GPO Box 2204, Adelaide, South Australia, Australia 5001, (011) 618-262-4461

## Netherworld

Mystical space journey/action arcade. \$34.95 MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Neuromancer

Science fiction role-playing game in which the player must find out why all the computer hackers in Chiba City have disappeared. Players must use computer programs to break into databases

and get information. \$44.95

Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001

## Never Ending Story II Arcade

Let yourself become part of Fantasia, the place where everyone's dreams come true. Can you, as Bastian, our hero, save Fantasia from destruction? Use all of your skills and wit to fight the awesome giants and overthrow the beautiful but evil Xayide. Meet Bastian's friends and ride on the back of Falkor, the lucky dragon in a breath-taking chase through the narrow canyons of Fantasia. Don't let the dreams die; all Fantasia is relying on you to protect the future of The Never Ending Story. \$39.95

Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## Night Dawn

Arcade/strategic game. Ten levels that are very challenging. Excellent sound effects and superb graphics. \$29.95

Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093, (410) 560-2434

## Night Shift

Night Shift is an arcade-style computer simulation of a whimsical toy factory. To keep up with increasing demand for its Star Wars and Indiana Jones toys, toy factory Industrial Might & Logic hires a night shift worker who must contend with ever-increasing quotas. In the process, the worker has to cope with equipment failures, lawyers, lemmings, and a surly boss to boot. Includes 30 'shifts,' with gradually increasing challenge. Choose to play as either Fred or Fiona Fixit. Suitable for ages 10 and up. \$39.95 Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927

## Nightbreed

Nightbreed vividly recreates the attempts of Aaron Boone to escape from the brutal ignorance of his world. Boone, fabled hero of the night, has been unjustly accused of murder. The police are in hot pursuit. He searches for and finds Midian, a subterranean haven inhabited by a supernatural race—the Breed. But once in Midian, Boone's past catches up with him. The police and a savage villain called the Mask infiltrate his refuge, and it's up to Boone to save the Nightbreed or be responsible for their destruction. A thoroughly twisted and intriguing story filled with monsters, evil, and challenging adventure. \$39.95

Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525

## ♦ Ninja Garden II

In this literal translation of the Nintendo game (enhanced with the power of the Amiga), Ryu Hayabusa must use his Ninja fighting techniques along with ancient magical arts such as the 'wind-mill throwing stars' and 'fire dragon balls' to rescue Irene Lew and avenge the death of his father. Action takes place throughout seven acts and over 20 scenes of crisp graphics and clean audio. Animated sequences tie the plot together. Arcade style gameplay keeps the story moving as Ryu must face many guardians en route to the final showdown with Ashtar. Requires 1MB. \$49.95 GameTek, 2999 N.E. 191 Street, N. Miami Beach, FL 33180, (305) 935-3995

## No Greater Glory-The American Civil War

The year is 1861 and you are President Abraham Lincoln—or Jefferson Davis. The immensity of this war dawns on you—the bloody battles and the conflicts over such issues as slavery, taxes, inflation and enlistment of Negroes. No Greater Glory covers these and other major military, political, diplomatic, and economic aspects of the Civil War. Move your armies across the map and order your generals to take them into battle. Enter your decisions quickly and easily with the point-and-click mouse interface. Superb graphics present you with immediate feedback of your actions. Every game can end differently. 1MB. \$69.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## Nobunaga's Ambition

This is a simulation game based on Japan of the 16th Century. A group of feudal lords called Daimyo ruled Japan in the 16th century. Each has a single wish: to become Shogun and rule the entire nation. Nobunaga's Ambition is a military, economic, and diplomatic simulation for one to eight players. As Nobunaga, you start with one fief and try to take the entire nation. A game of both strategy and tactics, success takes careful planning and opportunism. \$59.95 Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200

## North and South

Capture the excitement of the Civil War's greatest battles. Now you can relive history as you march on Atlanta or storm Savannah. Or rewrite history with a Confederate conquest. North and South gives you sophisticated military strategy with an entertaining plot. Humorous characters and situations keep the play fun and can catch even the most experienced player off guard. Multiple levels of difficulty and two modes of play. \$44.95 Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Nuclear War

A comical game of strategy and tactics. As a world leader, you must compete against four computer controlled opponents for global supremacy. Experience propaganda blitzes, nuclear strikes, and some interesting weather anomalies. \$19.95

New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525

## Obitus

You're in the depths of your own worst nightmare...but this time there is no waking up. Lost and alone in a dangerous and alien medieval world, you must discover where you are, how you got there, and how to get out! Silky smooth scrolling through forest labyrinth mazes, first person perspective confrontations and dialogue with a cast of characters who may help or hinder your progress, parallax scrolling action scenes, and diabolical surprises in a brand new genre of Psynosis game. Roger Dean limited T-shirt in each box. \$59.99

Psynosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

## Official Guide to Sid Meier's Railroad Tycoon

Do you know you can embezzle money in Railroad Tycoon at no risk to yourself? Do you know which tycoons are most likely to take over your railroad? The only source of insider information available for the game—direct from the designers of the game. This book contains essential gaming information not found in the manual. Get the answers to puzzling economic forces, learn to defeat each of the Tycoons, build the Transcontinental Railroad and the Orient Express, manipulate the stock market to your advantage, discover the best areas to build on each map, and learn the best way to survey your line. These are just a few of the things you'll be able to do with The Official Guide. \$12.95

Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809

## Offshore Warrior

A sport has evolved where powerful boats battle against the elements and their opponents. The warriors fight for victory against each other while trying to survive the dangers of rocks and waves. Throttles at the limit, the warriors struggle to control their boats by jumping waves, avoiding rocks, and firing at their opponents. Can you survive the pressure of a do-or-die situation? Start your engine. \$39.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## ♦ Oh No! More Lemmings

Just when you thought you were finally safe, those green-haired numbskulls have blissfully blundered off toward new perils. You'll have to save them again! Oh No! More Lemmings (Stand Alone version) contains 100 brand new adventures for the mega-hit game Lemmings. Oh No! More Lemmings (Add-on version) contains the same new adventures, but requires the original

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# Entertainment

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Last Minute Additions

Lemmings program, and is available for a reduced price. Both versions feature mind-challenging game play and amusing graphics in the Lemmings tradition. \$49.99 (stand-alone version). \$34.99 (add-on version) \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Omega

Strive to design the future's ultimate military sybertank in Omega. You have been placed as an engineer for the Organization of Strategic Intelligence and your mission is to integrate chassis components and create artificial intelligence in an attempt to build the world's supreme sybertank. Choose from 10 chassis types, ten drive systems, eight weapons types, nine special items, and ten scanner types. Then test your design on a simulated field of combat. \$49.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Omni-Play™ Basketball

Imagine owning, coaching, and managing your own basketball team and playing some fast action hoops too! Includes SBA League and End View Game Modules which allow you to build your own team. Determine play-off structures, season lengths and more. Recruit new players or improve the current roster at training camp. You can even trade players to other teams. Players not only age year after year, but can suffer injuries. Down on the hardwood, you can play too. Pass, shoot, slam dunk, double-team, break backboards, and much more. \$24.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Omni-Play™ Horse Racing

Omni-Play™ Horse Racing is a two-disk set which gives up to four players the chance to test their handicapping skills against each other and up to 19 computer opponents at the same time. Go for the quick kill by betting on long shots, Triples, Exactas, and Quinellas, or play more conservatively by betting on the favorites to Win, Place, or Show. Whatever your strategy, there are plenty of stats available, including the past 10 race results of all 128 horses at each track, the Morning-line Odds, payoff displays, and post position histories. Jockeys have their own personalities and mood swings. Track conditions can be dirt, grass, or mud, and you can even buy tips from your competitors! Includes digitized sounds. \$24.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## One to One Match

A memory game for children ages 4 to 14. No reading is required to play this game and the program autoboots. This game talks! All pictures are named. Children develop their powers of concentration and expand their vocabulary by pairing up beautifully illustrated objects in one of seven categories. The categories begin with simple concepts and progress to the complex: from planets to the big bang, from triangles to tetrahedrons, from simple numerals to fractions, from notes on the treble clef to classical melodies. The child's vocabulary is expanded by learning the national flags, continents and oceans, date, time, and money. Added for both fun and enrichment are flowers, trees, leaves, sea life, breeds of dogs, cats, and horses. Five different ways to play the game (three with the computer as the partner) and three different card layouts (20, 30, or 42 cards) provide flexibility for the player. Runs on all Amigas 512K minimum. \$39.95  
*Computer Sight, 4522 Santa Rita Rd., El Sobrante, CA 94803, (415) 222-2638*

## Operation Combat

Digitized sounds of gunfire, air support, and movement of your troops take you right into battle. Fight in the deserts of the Middle East or the jungles of Asia with the firepower equal to that of United States forces in Saudia Arabia. With six battlefields and five scenarios to choose from, Operation Combat challenges your wits and your courage. Remember, in war there can only be one victor! \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Operation: Cleanstreets

You are Cleanup Harry, the city's toughest undercover cop. You've been assigned to get rid of the pushers and punks who control the city streets. Outfight your foes every step of the way; punching, kicking, dodging. And your mission's not over until all five levels are cleaned up. \$39.95  
*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263*

## Orge

Your army must contend with a huge cybernetic tank code-named Orge, which is armed with missiles, guns, and armor plating several feet thick. \$29.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## ◆ Ork

Beamed down to the planet Ixion from the Legion Ship, Cisskel, aspiring Captain Ku-Kabul has to face the dangers and tests specifically placed on this planet in order to prove himself worthy of leadership. Failing any of the tests will end his career as a Legion-Command Officer...permanently! To give him a fighting chance, Ku-Kabul is fitted with twin laser cannons and refuelable jet boosters. Using brains and brawn, he must find, collect, and use objects to solve the many perplexing puzzles and defeat the hordes of deviously powerful enemies that infest this deadly arena. Powerful arcade special effects including full-screen three-layer parallax scrolling running arcade speed, larger than screen aliens, and a haunting musical score combine with furious gameplay to bring you an incomparable arcade-like gaming experience. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## ◆ Out Of This World

Out Of This World thrusts players into another dimension where survival depends on cunning, speed, and sharp senses. As scientist Lester Knight Chaykin, the player is hurtled through space and time by a nuclear experiment gone wrong. The player must dodge, outwit, and overcome a host of alien monsters and deadly earthquakes that plague the alien landscape that has now become home. Only a perfect blend of logic and skill will get the player past the deadly obstacles that lie in his path. The use of polygon graphics allows the game to generate real-time, rotoscoped animation in fluid cinematic zooms, pans, close-ups, and scaling. Bridging the gap between cinema and action/adventure games, this completely new style of storytelling allows players to run, jump, kick, roll, climb, and swing quickly and smoothly. It offers a complete atmosphere of sights and sounds with a continual audio mix of digitized sound effects and musical score. Out Of This World supports VGA graphics, most major sound boards, and can be keyboard or joystick controlled. \$59.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001*

## Out Run by Sega

Take the ride of your life in the home-computer version of Sega's arcade megahit. This baby's sleek and smooth—the fastest thing on four wheels. Floor the gas pedal and let her ride past the beaches of southern France, California's Death Valley, cities, mountains, and vineyards. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Over The Net!

It's your serve. Now you can play pro-circuit volleyball year 'round with Over The Net, the exciting new tournament beach volleyball game from Merit Software. This European-designed program lets you slam, dig, set, spike, and hit with arcade action so realistic you'll be able to feel the hot sand under your feet. Sound effects and excellent soundtracks bring an added dimension to the game on your computer screen. Action-packed Over The Net is designed to sharpen your competitive edge. One or two players can play from one to five sets in a single session. Choose from five exotic beach courts, from Timini to Miami to Ibiza—each designed to test a different level of your skill. So what are you waiting for? It's your serve. \$39.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Overdrive

An arcade adventure game for all Amigas. Begin play with the choice of six pilots, six ships, and wide range of different modules and armaments—900 different combinations in all. Game has four levels: Artificial Planet—liberate the colonists from pirates; Space-rescue cargo ship; Inside Asteroid—destroy pirate headquarters; Surprise. \$59.95  
*Infacto, 1456 Fallen Leaf Lane, Los Altos, CA 94024-5809, (415) 968-0813*

## Overlord

Imagine a universe that holds only a small group of planets. Each planet is a barren shell waiting to be given life. Imagine further that within this universe there exists the forces of good and evil. Having only a single Starbase to work from, you set out in ships of your own design, and use them to colonize the barren planets. You must also recruit, train, feed, and arm a galactic force to protect these colonies from your evil foe. Strategies are needed, taxes must be imposed, mining operations need to be set up, and farms need to be established. \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## P.G.A. Championship Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Firestone South, Pinehurst #2, Oakland Hills, Oakmont, Southern Hills. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## P.G.A. Tour Courses I

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Doral Blue Monster, Torrey Pines South, TPC at Sawgrass, Cypress Point, and Indian Wells Bob Hope course. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## PGA Tour Golf

Enter the world of big-time golf. See TV-style graphics with aerial fly-bys of every hole, multiple shots of the ball in flight, announcers, and pro tips. Tee off against 60 top PGA TOUR pros. Compete in real tournaments like the Kemper Open and THE PLAYERS Championship. Play the TPC's at Sawgrass, Avenel, and more. A 3-D putting grid, five types of swings, 12 ball lies, it even tracks your game with pro stats. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ PGA Tour Golf Tournament Course Disk

An add on program for PGA Tour Golf. Includes three new courses and tournaments: TPC at Eagle Trace, home of The Honda Classic; TPC of Scottsdale, home of The Phoenix Open; and TPC at Southwind, home of The Federal Express St. Jude Classic. Negotiate the same narrow doglegs, treacherous water hazards, and changing conditions the pros do. Use the overhead map to plan your approach, check the ball lie to decide on the most effective club, or use special shot options to escape the worst roughs and hazards. Once on the green, study the 3-D putting grid for an accurate, realistic read of the green. Stay on top of the leaderboard to make the early round cuts, then fight to finish in the money! \$24.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## PIXOUND™

Pixound is a radical new concept in musical software, transforming visual art into music. Unlike other programs, which provide the computer equivalent of a light show, Pixound allows you to use the musical fingerprint of any image to create, play, and record complex new music. The novice musician or computer user can move from Bach to Rock by simply moving the mouse. The virtuoso, too, will thrill at the Pixound adventure of playing a new and unique instrument with every new screen. From Hologramophone Research. \$99.00  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

## Paint Me a Story

Paint Me a Story gives a child the ability to create his or her own story book in exciting colors, whether or not the child has any drawing ability. By adding Magic wipes between pictures, by typing text and by adding music, the child can create a story as simple or as complex as his/her imagination will allow. £24.95

Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England, (011) 4475-368-6000

## Paladin

Animated fantasy-combat game for one player. The game features 10 character combat squads, multiple level combat, magic, assorted weaponry. The Paladin Package also includes a quest builder so you can build your own quests. \$39.95

Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423, (203) 678-7679

## Panzer Battles

This second release in the Battlefront series follows on from the Halls of Montezuma. The Russian Front saw the greatest concentration of armored forces the world had ever known. Panzer Battles recreates six battles: Encirclement at Minsk, Gates of Moscow, Disaster at Kharkov, Prokhorovka, Kanev, and Korsun. On the German side are elite armored formations, including SS and Panzer divisions. The Russian side includes the Siberian Shock Troops and the Guards Tank Armies. WarPlan design kit allows editing of existing scenarios or creation of new battles. WarPlan allows users to change terrain and create realistic maps. Requires 1MB and Workbench 1.2 or 1.3. Hard disk compatible. Two floppy disk drives recommended. Not copy protected. Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514, (904) 494-9373

## Paperboy

Tackle the action-packed job of a paperboy in this arcade. Deliver papers to subscribers (and smash the windows of non-subscribers) as you avoid cars, workmen, cats, lawnmowers, and burglars. Then, head out to the Paperboy Training Grounds for bonus points. \$49.95

MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## Persian Gulf Inferno

Arcade action and role playing. Superb graphics and digitized sound. Excellent story—you must save hostages and disconnect a nuclear bomb on an oil rig. \$39.95

Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093, (410) 560-2434

## Pick'N Pile

A multitude of colored balls falling from the sky and it's your job to make them disappear. To do so, you must swap shapes, create columns, and empty the screen before time runs out. Once a screen is completely void of balls, you move on to the next level. As the pace picks up and the difficulty increases, players must rely on their reflexes and agility to move onward. Many obstacles fall in your path. Watch out for the Death-heads which make time run out twice as fast, Flames that burn potential points, and Flower Pots which break shapes and prevent column formations. \$39.95

UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749

## Pictionary by Domark

Pictionary is played by guessing words that are drawn either by the computer or team members. While playing in teams, players sketch the clues on-screen for teammates to guess before the allotted time runs out. Individual players try to beat the clock, and guess while the computer sketches the clues. A game board is included that will automatically roll the die and keep track of the players progress. \$39.95

Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## Pipe Dream

Pit your pipefitting prowess against a surging sea of sewage. Your objective is to build the longest possible continuous pipeline, racing against a stream of chemical fluid called Flooz. Piece together the pipeline from various shapes of pipe,

which appear in a random order. There are 36 increasingly challenging levels. Play solo, against a friend or team up in a joint battle against the computer. But if you slow down for a second, it's Sludge City! \$39.95

Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927

## Pirates

A 17th-century Caribbean adventure. You're a privateer captain in the thick of the action on the Spanish Main. Challenge your reflexes with simulated sailing, sea and land battles, and swordfights. Experience romance and intrigue from more than 50 foreign ports.

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Plan 9 From Outer Space

From Konami and Gremlin Graphics. An alien race has failed eight times to annihilate the human race, but has now discovered the ultimate Plan 9. This is the storyline from a 1957 film. Players must collect all the missing reels from the movie from more than 90 global locations. They must then splice the film together. Features digitized movie footage starring Bela Lugosi and Tor Johnson, as well as original cast members as characters to encounter throughout the game. Available spring 1992. \$49.95

Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support

## Platoon

Experience the full dramatic impact of this Academy Award-winning film. Lead your platoon through the war-torn jungles of Southeast Asia, picking up desperately needed food and supplies along the way. You must remain constantly alert, as deadly surprises await you in every bunker, secret tunnel, foxhole, and village. It's a question of survival against bold guerilla fighters, unseen snipers, elaborate booby traps, and surprise napalm air strikes. \$44.95

Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Pocket Rockets

Better watch out! Take a test ride on Pocket Rockets, the high-speed motorcycle simulation game. Experience all the thrills and spills of high-speed racing with machines that take you from zero to 60 in under four seconds. Pocket Rockets lets you choose from four of the quickest, most exotic bikes on the planet. The action is as real as the adrenaline you'll feel. \$39.95

Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400

## Poker Solitaire

Play 12 hands of stud poker simultaneously. Strategy game allows two players or one against the clock. Multiple skill levels challenge even the expert.

Ethos Development, 3617 Lawson Blvd., Delray Beach, FL 33445, (407) 496-0843

## Police Quest

Mature, authentic law enforcement simulation designed by a California Highway Patrol veteran. Manual describes police procedure; crime computer gives court information on suspects. \$49.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders

## Police Quest II

The Vengeance! Police Quest is one of the most original adventure series in computer history, with authentic police regulations to follow and real-life situations to encounter. Police Quest II lets you experience life as a homicide detective, as you track down the escaped convict—The Death Angel! Now available in Japanese. Requires 1 MB. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders

## Police Quest III

Designer Jim Walls continues his best-selling Police Quest series with Police Quest 3: The Kindred. As homicide detective Sonny Bonds, follow a trail of insanity, brutality, and bizarre ritual killings. Musical soundtrack by Grammy Award winner Jan Hammer of Miami Vice fame. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders

## Pool of Radiance

All monsters, items, and spells are from the famous AD&D Monster Manuals, Dungeon Masters Guide, and Players Handbook. Roll up your characters from four Classes, six Races and nine Alignments in classic AD&D fashion. Personalize your heroes' combat figures with individual weapons, armor, and colors. \$19.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## Pools of Darkness

Pools of Darkness takes you back to the Moonsea area for the final battle against the ultimate enemy. Prepare yourself for the biggest adventure yet! Pools of Darkness propels you into alternate dimensions on an enormous quest. And, it boasts a fully evolved version of the award-winning game system used throughout the series. Transfer your characters from Secret of the Silver Blades with levels, money, and items intact, or create new characters. Either way, you're in for some high-level action. Battle monsters never before encountered, cast powerful new spells, and achieve character levels well above the 25th level. State-of-the-art graphics and crisp digitized sound \$59.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## Populous

Earthquakes are serious fun. Deities are the all-powerful rulers of the worlds, but two deities in one world is one too many. You give them good land. You tell them when to farm and when to fight. You make them content beyond their wildest dreams. But then they become raging arsonists. What's a deity to do? \$49.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Populous II: Trials of the Olympian Gods

By Bullfrog Productions. Populous II includes a cast of Greek deities. You approach the great god Zeus with aspirations of immortality. Your request is accepted only if you first prove your abilities by defeating 32 of the most powerful deities on the ancient Greek battlefields. With over 30 new animated powers, you will be twice the deity you were in the original Populous. Forces of nature can now be unleashed simultaneously. You can establish your deity's strengths, personality, and appearance. Different personality traits will alter the way the other deities react to your character. You're also responsible for the happiness of your populous if you want them to stay loyal. Planting trees, building roads, and making fertile land will all lead to increased manna. And face it, that's all you really want—the power to destroy! \$49.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Populous World Editor

By Bullfrog. Gives you the divine power to alter the people, places, and terrain of Populous. Lets you easily edit sprites and landblocks. Also set parameters to define your population. Two new worlds. New 500-world conquest game.

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Populous: The Promised Lands

Populous: The Promised Lands is an accessory disk that adds five new landscapes to the hit game Populous™. Adding The Wild West, Révolution Française, Blockland, Sillyland, or The Bit Plains to Populous™ will virtually give you a whole new game. You'll need to invent new strategies to conquer 500 more worlds, or you can use the lands to build your own worlds to conquer. \$14.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Ports of Call

Exciting game of shipping strategy. The player assumes the role of a shipowner and captain. Both strategy and arcade action. The object of the game is to deliver the ship's cargo to the determined port and achieve maximum profitability. Available in English, French, German, NTSC, and PAL. Runs on Amiga 500, 1000, 2000, 2500, Workbench 1.3. \$34.95

Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

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## ◆ Power Pinball Expansion Disk 1

More and better pinball machines for Power Pinball! This disk is packed with eight fun, new, and exciting machines. Includes 36 new sound effects which can be added to your own machines. Several machines created by Amiga artist Joan Ashdown; all feature new sound effects and take advantage of version 1.1 capabilities. \$15.95  
*KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034, (303) 490-2939*

## ◆ Power Pinball Version 1.1

New version of Power Pinball sports embossed look for all editing functions and many other new features. Pinball Wizards never had it so good! Power Pinball is a truly realistic simulation of a pinball machine. You can play one of several included machines or design your own! Import IFF sounds and graphics from your favorite paint program. With Power Pinball you can take the wizardry to a whole new level! AmigaDOS 2.0 compatible. \$39.95  
*KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034, (303) 490-2939*

## PowerMonger

PowerMonger takes you to a living world where each individual has a home, an occupation, and a level of intelligence—all must be accounted for in your strategy. PowerMonger casts you as the leader of a displaced tribe newly arrived in an uncharted territory. There are 200 territories to conquer before the world is yours. To unite the land under your rule, you must win the allegiance of the people by force, negotiation, or outright bribery. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ PowerMonger Data Disk: WWI Edition

Enter the world of 1914. The nations of Europe are locked in a savage war. Mechanized terror weapons have replaced the sword. Leaders now pursue power with rifles, tanks, and airplanes. Command an army through a series of battles and try to overcome the trials of WWI combat. Factories, medical stations, and dedicated soldiers are at your disposal. Show mercy to defeated enemies and win their allegiance. Explore and conquer over 150 European territories. Requires PowerMonger.  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Powerdrome

Features 3-D racing action. Suspended in air, keep your racer from crashing into floor, walls, and roof. Strain to hold a flight line against crushing g-forces and buffeting aerodynamic loads. Push man and machine to the limit—stretch the flight envelope for the fastest lap times. Enter the robot pits for engine repairs and body part replacement. Full tune-up facilities. Adjust the airbrakes and flaps, select the best fuel and filters for each planetary atmosphere encountered. Tune your typhoon into a winning machine. When you really cream your machine, the rescue-recovery vehicle tows you back into the pits. Travel to five different planets to race in different gravities, atmospheres and climates. Perfect your racing technique on the Oval track before attempting more treacherous courses. Advanced courses test every skill you possess. Featureless straight-aways plummet into dimly lit caverns. Sweeping bends curve up towards the sky. Fight for the flag against four aggressive rivals, each with his own strategies and racing styles. Set up a datalink between two computers for head-to-head racing action. \$19.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Powerstyx

Battle your way through chopping skulls, perilous scissiors, deadly crosses, and heart-pounding time restrictions in this action-packed game. You as the artist must conquer these obstacles before revealing the final masterpiece, hidden behind each treacherous screen. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## ◆ Predator 2

Take on the role of veteran cop Mike Harrigan. Shoot it out with machine gun-toting drug lords and the Predator, a brutal alien who finds sport in

the killing of human prey. Collect powerful weapons to save your fellow officers, then use streetwise ingenuity and devise a way to destroy the creature's invisibility mechanism. Each level is inspired by the movie with plenty of action to please arcade enthusiasts. Digitized movie scenes recapture the Predator just as he appears on the big screen. \$19.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## ◆ Prehistorik

Eat and beat your way through 150 scenes of awesome, nourishing fun and relive the Prehistorik epic in this incredible platform game. Armed with your Diner Club Anticus, proven to be the ancestor of the baseball bat, you start in pursuit of the Hilarious Maxidocus and take on armies of hairy spiders. Explore the virgin icefields of Antarctica, lush tropic jungles, and the dark and mysterious caverns of the shady continent. Don't worry about beatin' and meatin', it's for the good of the T-bone tribe. The hunt for lunch is on; come and get it! \$49.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Prince of Persia

You are a young adventurer from a far-off land, and the Sultan's beautiful daughter has fallen in love with you. But the Grand Vizier Jaffar has other plans. In the Sultan's absence, he has thrown you in prison, and given her an acrobatic to choose: Marry him or die. You'll need acrobatic agility, superb swordsmanship, and brilliant puzzle-solving ability to save her. Twelve levels with more than 250 increasingly difficult screens. \$39.95  
*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263*

## Pro Tennis Tour

In Pro Tennis Tour, you are a professional tennis player, ranked 64th in the world. Your objective is to improve your ranking by participating in major championships such as the Australian Open, French Open at Roland Garros, U.S. Open, and Wimbledon. Each championship event is played on its unique surface, whether its grass, clay, or cement. Pro Tennis Tour has six training programs where you can play either an opponent or against the computer. The on-screen scoring display, realistic sound effects, and two-player option give Pro Tennis Tour the look and feel of an actual tennis game. Improve your service, master your tennis strokes, and enjoy the 3-D instant replay feature of your best shots. See CDTV section also \$39.95

*UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749*

## Professional Football Simulation

You choose the game strategy and call the play. By utilizing true artificial intelligence routines, the computer uses the probability of the play's success against the defensive formation to determine the outcome. Allows modern play and keeping of individual stats of leagues, and comes with standard playbook containing all the popular offensive and defensive plays. \$44.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

## ◆ Project-X

It's the same old story; someone else's mistake has become your problem. The mad fools—the scientists did it for fun, they must have. No one wanted massive, mutated, insect-like droids, the ugly by-products of early biomechanical experiments—not me and certainly not you. Dumped on the planet Ryxx and left to stagnate and fade out, the sickening mutations not only survived but thrived. Their intelligence circuits warped, they are now seeking revenge for their tortured past. Fears of an all-out attack have forced the Federation into action! Your mission is simple. Fly to Ryxx, into the heart of the station the evil beings have made their lair, and blow the whole thing sky high! Game takes player through six sections. Two skill levels, choice of craft, choice of music or soundfx, many special effects and sound/speech effects, password system for players getting far into the game, much more.

*Team 17 Software, First Floor Offices, 2/8 Market Street, Wakefield, W. Yorks WF1 1DH, England, 011-44-924-291-867*

## Prospector In The Mazes Of Xor by Logotron

Limited action-packed adventure game with a non-violent theme. Two prospectors, Herb and Pip, are trapped in the labyrinths known as the Mazes of Xor. In order to escape, they must collect the 845 blue balloons, which are hidden in the mazes, before Xor captures them. There are 30 different mazes available, plus an extra 15 that you can create using the maze constructor for a grand total of 45 different mazes and endless hours of enjoyment. \$39.95  
*Eurosoft International Inc., 460 Merrimon Ave, #185, Asheville, NC 28804-2405*

## Qsolve 1.0

Cube game based on Rubik's cube. Test your skill to solve problems of increasing difficulty. Descend through a chain of challenges from easy to super hard. Disk includes a collection of interesting, pretty patterns. \$29.95

*Computer Creations, 259 Thornton Rd., N. Oshawa Ontario, Canada L1J 6T2, (416) 576-2023*

## Quest for Glory II: Trial by Fire

As in the first game in the series, players construct their characters from the ground up. Players who have completed Quest for Glory I may bring their seasoned Heros to play in this second installment. Set among the mystical and exotic background of the Arabian Nights, Trial by Fire reaches new heights of humor and adventure. Requires 1MB memory. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Quest for Glory: So You Want to be a Hero

Players will construct a character from the ground up, combining basic attributes of strength, agility, charisma, and intelligence into game characters. It's a combination of fantasy role-playing with the basic adventure game concept of going to a world and exploring it, finding things, and solving puzzles.

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## R/C Aerochopper Flight Simulation System

R/C Aerochopper Flight Simulation System on your home computer puts you as close to real R/C flying as you can get. It is designed to stimulate the experience of real flight and with the feel of actual radio hardware, can put you at the controls of a number of different airplanes, helicopters, ducted-fan jets, and even a glider. Various flying conditions can be set up by selecting one of 22 different, pre-programmed aircraft utilizing seven different aircraft images. Each R/C Aerochopper Flight Simulation System includes a Futaba Conquest dual joystick transmitter box with interface cable, software on disk, and owners manual. NTSC and PAL. \$229.00

*Ambrosia Microcomputer Products, Inc., Ste. 371, 98 W. 63rd St., Willowbrook, IL 60514, (708) 655-0610*

## RVF Honda

Simulation of formula-like motorbike racing. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Railroad Tycoon

In Sid Meier's Railroad Tycoon, feel the pride and excitement of creating an industrial empire in the Golden Age of Railroads. Explore and develop new markets in the U.S. and Europe. Stay up-to-date with locomotive technology. Compete against rail barons eager to crush you or brush you from their path. \$59.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Ramify

Thousands of years ago royalty and common men alike played games consisting of pits and using pebbles or jewels as playing pieces. Sometimes the games were played for high stakes, including rubies, sapphires, and slaves. Ramify is based on these Mancala games. We believe you will find it as addictive as the kings and maharajahs of old found it, and we have modernized it for your computer. In this version you are playing for megabytes of RAM chips. \$39.95  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690*

## Rampage

Smash and trash. Go ahead, get it out of your system, lose your temper, smash a skyscraper, trash a city, and have an office building for lunch. Go on a rampage. Includes one- or two- player options, choose any of three mischievous monsters to control, 147 different cities to trash. Super colorful graphics and arcade-style animation. \$39.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500*

## Reach for the Stars

The conquest of the galaxy. Reach for the Stars is a four player game of interstellar colonization and conquest. Your task is to create and maintain an empire in space. Expanding your empire means colonizing other star systems, improving their industry and environment. Maintaining it will almost certainly involve adjustment with your neighbors. The Computer plays any side not played by humans. \$45.00  
*Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514, (904) 494-9373*

## Red Baron

From designer Damon Slye, Red Baron recreates the thrill, excitement, and danger of early flight in World War I. Detailed in every aspect of combat intelligence characteristics of actual Aces and structural and flight characteristics of original airplane models. Historically accurate, it recreates an atmosphere more like an actual event than a game. Players can fly for German or Allied forces, engage in close range dogfights, blast observation balloons, take on zeppelins, and go head-to-head with more than 20 famous Aces! Fly single missions or campaign play with more than 40 back-to-back missions. Includes glorious 240-page manual with color templates, maps, technical specs, historical backgrounds, pilot profiles, and aerial tactics. \$59.95  
*Dynamix, division of Sierra On-Line, 99 W. 10th, Ste. 224, Eugene, OR 97401, (503) 343-0772*

## Red Storm Rising

Red Storm Rising focuses on the tactical operations of an American nuclear attack submarine after a crushing invasion of Western Europe by the Warsaw Pact. The player's mission as submarine commander is to locate and destroy Soviet submarines and surface vessels as they leave their base near the Arctic Circle, before they can reach the Atlantic to disrupt the shipping of U.S. men and supplies to the battle front. Based on Tom Clancy's best-selling novel of the same name, the game presents the player with five types of radar and sonar devices, five classes of sub-launched missiles, and three versions of programmable torpedoes. The high-tech gear produces a riveting effect, and with all the data and high-tech decisions the player has to make, the pressure of playing cat and mouse with another sophisticated submarine can be awfully intense! \$54.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Reel Fish'n

How many days can a small business owner take off from the shop without losing out? Depends on whether his days at the lake are profitable. Join him in this fishing simulation game and spend a sunny day reeling in fish. \$44.95  
*Interstel, Distributed by Electronic Arts, P.O. Box 57825, Webster, TX 77598, (713) 946-7676*

## Renegade Legion: Interceptor

Take command of a fighter squadron and fly with the Elite Forces of either side in the never-ending wars between Terran Overlord Government and the Commonwealth. Dogfight with deadly 69th century starfighters—24 standard fighter types are included, or custom design your own. Arm fighters with high-tech weaponry, such as mass-driver cannons, lasers, electron and neutron particle guns, and many types of missiles. Fly over a dozen mission types, including anti-piracy, space station defense, enemy fleet interceptions, and wild melee engagements. \$19.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Rick Dangerous

Rick Dangerous combines fast-action arcade adventure with humorous graphics and strange sounds to give gamers an alternative to the fight-to-the-death genre of entertainment software. The hero, armed only with a six-shooter, some dynamite, and a big stick spends most of his time trying to stay alive amidst the chaos and mayhem of a variety of exotic, dangerous locales. Rick fights for his life in four scenarios: an Amazon temple, where Rick must dodge hostile tribesmen; an Egyptian pyramid, where Rick squares off against ruthless assassins; a Nazi prison camp, where Rick fights to free Allied POW's; and a Nazi missile base, where Rick is the last hope of the free world. Each scenario calls for fast reflexes and the ability to solve puzzles appearing at a moment's notice and leaving little time to find the answer. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Rick Davis's World Trophy Soccer

The new state-of-the-art in sports simulation. Arcade action brings the realism of world class soccer to your home computer in this direct translation of the super high energy coin-op arcade game. Team up with Rick Davis to play soccer better than you've ever played before. Includes real-to-life animation, multidirectional scrolling, accurately simulated free kicks, goal kicks, corner kicks, and throw ins. Single or double player simultaneous action. Pass, tackle and shoot your way through the qualifying rounds with the world's best soccer teams! 512K-\$39.99 & 1MB-\$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Riders of Rohan

Based on J.R.R. Tolkien's Lord of the Rings, players get the chance to live out the traditional Tolkien storyline or build their own saga in true Tolkien flavor. Players can bring the peaceful land and dynamic characters to life with the realistic 3-D terrain and sophisticated wargame system. Command the elite cavalry of Rohan as Riders battle to save their lush green land from the wicked forces of darkness and rescue the captured Hobbits from a fate worse than death. Includes numerous sub games and combat sections. Available first Quarter 1992. \$29.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Rings of Medusa

You are the young Crown Prince of Morenor whose father's kingdom has been stolen by the evil goddess Medusa with her amazing diabolical magic. Your task is to challenge Medusa to the final fight. To do this, you will have to conduct trade, find treasures, equip an armada of ships and engage in sea battle, hire warriors for your land army and go into battle, gamble in the Casino of the Trolls; explore 33 cities, 13 castles, and three islands. Find five hidden rings in the kingdom and place them together in the temple of the Athenians to call Medusa into final battle. \$49.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Ringside

World championship boxing. Fight your way through ten opponents to the title. Decide your fighter's name, weight, and age; assign strength points to a variety of techniques. Modify the length of rounds and the rest between rounds. Also features a training mode in which you can train your fighter against the computer or another player. Game saves top ten scores to disk. Super graphics and sound; a must for the boxing fan. One or two player action. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Risk

It's the classic game of world domination! Challenge your powers of strategic planning in this game of fierce attack and vigilant defense, bold strikes, and cunning traps. Victory depends on how you deploy your forces, where you fortify your frontiers, and when you attack your enemies. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Road Raider

Battle crazy rebel cars, shoot down armies of slimy mutants and test your skills in demolition derby rings in this action-packed road adventure, created by Chris Gray. Three unique game environments, three increasingly difficult levels, a variety of weapons, and add-on car supplies will keep even the most experienced game players challenged. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Robocop

The future of law enforcement is here—and so is one of the best interactive games. You'll experience all the great moments of the blockbuster movie as you become America's true heavy metal hero. As Robocop, your job is simple—wipe out crime. Armed with a heavy-duty cache of high-tech weapons, make your way past vicious enemies to your ultimate battle with Dick Jones. \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Robocop 2

Based on the movie of the same name, Robocop 2 is set in the futuristic world of Old Detroit where the police force is on strike and mass-addiction to nuke-a deadly new drug, is spreading like wildfire. Robocop must rid the city of nuke and then take on drug-lord Cain, his ultimate robotic enemy. Players alternate between scrolling action sequences and stationary arcade-style shooting gallery scenes. Players must recover a minimum amount of nuke to advance to the next stage. Its three levels include the river Rouge Sludge Plant, the Old Brewery, and the Civic Centrum. \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Romance of the Three Kings

China's second Han dynasty has collapsed. The entire nation battles with itself as warlords struggle for supremacy. As a warlord, you must defeat your enemies and control the country. Manage the states under your control to increase your power and resources. Cope with disasters, both natural and otherwise, choose good subordinates, and win their loyalty. Do your best to control and manage your empire. \$69.95  
*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200*

## Romantic Encounters at the Dome

Adult text game set in the sophisticated hi-tech private club called The Dome. Play out different personae: be romantic or reckless, etc. \$24.95  
*Microllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Rotor

A strategy-oriented arcade game, where you are in command of a highly sophisticated rotor craft, flying solo through enemy fortresses in an effort to destroy their primary defense systems. Along the way you must collect fuel and energy to power advanced Rotor features. There are a total of 18 missions, with a password system to resume play on higher levels. \$12.95  
*Microdaft, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650*

## Rotox

The troopers are Cyborg Class 2-A, approved to carry heavy energy weapons and tactical missiles for off-world combat. Specially constructed landscapes in deepest space provide a nightmare environment of deadly machines and hostile life forms. Mistakes are fatal, but success will lead Rotox to the high powered weaponry he needs to escape. Ten levels, state-of-the-art graphics, and music. Weapons include scatter-bombs, grenade launchers, jet packs, and heat-seeking missiles. \$39.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## Rules of Engagement

Command a fleet of starships, engaging enemy ships in multiple combat missions. All aspects of those personalities under your command must be considered when issuing orders and responsibilities. Includes mission builder, allowing you to

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# Entertainment

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customize existing missions or create entirely new ones. Design enemy races, starships, solar systems, and even individual personality traits of your fellow ship captains. Thousands of different combinations of opponents to choose from. You have option to load and run Breach 2 scenarios whenever the player attacks selected outposts by being played in conjunction with the Interlocking Gaming System. Requires at least 1MB. \$59.95  
*Mindcraft, 2341 205th St., Ste. 201, Torrance, CA 90501, (800) 525-4933*

## SLAPSHOT!

Hockey simulation uses digitized audio and team editing capabilities. Includes animated penalty calls and fights. Runs in real time. \$59.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300*

## SPOCBASIC DISK

Thirty-five original entertainment programs re-worked to run without CLI. No copy protection. Sample \$5.00. \$25.00  
*S.P.O.C., 299 Old Highway 69, Kiowa, OK 74553, (918) 432-5774*

## Santa Paravia and Fiumaccio

Strive to become King of your Medieval Italian city/state. Set taxes, buy and sell grain and land, build mills, markets, cathedrals and palaces, and make your town grow. The better your abilities, the higher your rank becomes. One to six players can compete to become King or Queen first! Full graphics. Three levels of difficulty. \$24.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## Santa Paravia and Fiumaccio (Tournament Version)

As in the original Santa Paravia you strive to become King of your Medieval Italian city/state. Set taxes, buy and sell grain and land, build mills, markets, cathedrals and palaces, and make your own town grow. This time all players meet the same conditions each year. Two to six players may compete to become King or Queen first! Full graphics. Three levels of difficulty. \$29.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## Savage

In Savage, the player is a powerful warrior searching for his kidnapped princess. To rescue her, the hero must battle his way through three challenging game scenarios. In the first, the hero beginning with only a battle axe must survive the evil creatures, and unavoidable obstacles within a tunnel-ridden dungeon. In the second level of play, Savage is on foot, racing toward the castle where his princess is held captive. The player must negotiate his way through fast-scrolling screens, avoiding the obstacles that appear without warning to intercept him. In the third and final level of play, the hero telepathically communicates with a magical eagle that flies through a mystical maze seeking to complete the quest. More evil demons, strange creatures and lethal traps appear throughout in an attempt to thwart the final stage of the rescue. Savage is a great diversion from the real world. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Scenery Disk #11

Includes the Northeastern border of the United States. Incredible variety, from industrial Detroit, to beautiful Lake Huron and Niagara Falls. \$24.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## Scenery Disk #7

Can be used with Microsoft Flight Simulator to greatly expand the user's flying environment. Features hundreds of miles of coastline, many rivers and roads, railroads, racetracks, and transmitter towers from the East Coast of the U.S.A., in detail from Washington, D.C. down through Key West, Florida. Over 130 airports will challenge the most seasoned Flight Simulator enthusiast. \$24.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## Scenery Disk #9

For use with all subLOGIC flight simulation products. The disk covers the Chicago, St. Luis, and Cincinnati sectional areas in unprecedented 3-D detail, and is appropriate for both visual flight (sight-seeing) and VFR or IFR cross-country navigation. Scenery Disk #9 covers more than 300,000 square miles of the midwest United States with over 150 airports and more detailed cities than ever before. \$29.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## Scrabble

Play Scrabble with friends or against the ultimate opponent, your own computer. Build your vocabulary and strategic abilities by playing through the different skill levels, from beginner to advanced. An ingenious combination of strategy and luck makes this game beloved of word lovers and gamers alike. \$39.95  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Second Front

A division-level strategic game on a grand scale that will appeal to advanced wargamers. The map extends from Berlin in the West to Stalingrad in the East and covers the entire Russian Front. One or two players command over 150 German divisions and over 200 Soviet divisions, with asset information available to the individual tank, plane, and infantry squad level. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Seconds Out

Real-time, arcade-action boxing game. Superb animation and game play, with a touch of humor. Take on five different opponents in your quest for fame and fortune and a coveted World Title. \$29.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## Secret of the Silver Blades

Set in TSR's Forgotten Realms game world, the gamer will explore the most sophisticated AD&D fantasy role-playing games which include mines, dungeons, ruins, and ice castles. The player will battle monsters never before encountered, such as gargoyles, cloud giants, hydras, and other fierce foes. With the use of higher character levels, the user can invoke many other new powerful spells like: barkskin, charm person, delayed blast, and the fireball. \$19.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Sex Vixens From Space

Adult graphic adventure game. As Captain Brad Stallion, you must locate The Tribe, a colony of beautiful female clones from the planet Mondo who have been raiding the male population. Cruise throughout the galaxy in a one-man vehicle. \$39.95  
*Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650*

## Shadow Sorcerer

This animated adventure offers a fantastic feature: You control the four heroes in your party simultaneously—even during fully-animated real-time combat. This fast-paced adventure boasts a point-and-click game system that's easy to use. And just in case things get out of hand, your heroes come with pre-set strategies, even before combat begins. \$49.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Shadow of the Beast II

Shadow of the Beast II features a new cast of sinister, intelligent opponents, arcade-quality animated sprites, diabolically clever hidden traps and puzzles to solve, multiple inventory control, real-time interaction with intelligent creatures, rich new sound effects and speech. Each package is shipped with a limited edition T-shirt designed by Roger Dean. See CDTV section also. \$59.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Shadowgate

This action begins at the foot of a huge castle filled with menacing creatures, secret passageways, collapsing floors and other surprises. To survive the perils of castle Shadowgate, find the evil Warlock Lord before he summons the Titan Behemoth to destroy the world. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Shanghai

Strategy tile-matching game based on an ancient Chinese game. Remove the tiles that match the dragon. First player to run out of tiles wins. More complicated than it sounds! \$39.95  
*Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500*

## Shinobi

Use your Ninja might and magic as you attempt to save the children of the world's leaders from ruthless terrorists in this adaptation of the Sega arcade hit. This game takes you through five rescue missions, each ending with a confrontation with the Master Force. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Shoot 'Em Up Construction Kit

For those people who are certain they can create a shoot 'em up game better than any they've seen at their local software store, Shoot 'Em Up Construction Kit provides them with all the tools to do just that. Three pre-designed games are included on the disk, and game designers can choose to tailor any of these to their own specifications or start from scratch to create an entirely unique game. \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Shufflepuck Cafe

Shufflepuck Cafe is a simulated air-hockey game that pits the player against nine different opponents, all of whom are regulars at the Shufflepuck Cafe, a seedy saloon reminiscent of the bar in Star Wars. The habitués are a motley crew from throughout the galaxy. They gather here because they love air hockey and this place has the last known game in the universe. Players can challenge any opponent and a droid keeps score on a chalkboard behind the table. Although each opponent has a unique style of play, they are also intelligent; so they're apt to change their tactics as they play. Players who succeed in winning a tournament get to place their names in the Roster of Champions. To keep the game challenging, several game elements are adjustable, including paddle size, bounce, and hit strength. For even more variety, players can change the playing characteristics of DC3-ALSO, the practice droid. Experienced game players will be challenged by the game's diversity and a range of difficulty. \$39.95  
*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263*

## Side-View Game Option Module

Play Omni-Play Basketball with the new Side-View Game Module and you'll enjoy the sport from a whole new perspective. Coach and/or play down on the hardwood, but now you lead the team as its Center at all times. Run anywhere on the court. Set picks. Call for the ball and teammates will give it to you whenever you want. Drive through the lane and get the quick two, stay on the perimeter and hit for a three-pointer or stuff a rebound back in the basket. Double-and-triple team options are even possible! Enjoy the game from the best seat in the house—down low courtside. From this new perspective and playing mode, see every second of hoop action from the eye of a TV camera following the ball left to right, down the court and back again. Need more thrills? Look for the acrobatic cheerleaders to heat up the action at half-time. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Silent Service

Action and strategy. Stalk enemy convoys through the waters of WWII's South Pacific. You make the crucial decisions. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*



## ◆ Silent Service II

Silent Service II updates the classic with advances in sound, graphics, and game design, including new targets and scenarios. Digitized photographs depict enemy ships with uncanny realism. The new campaign option tracks your career with promotions and commendations. Realistic sounds and original music, as well as digitized speech. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## SimAnt-The Electronic Ant Colony

SimAnt, the latest simulation game from Maxis, puts you in command of an ant colony out to conquer a suburban backyard. You directly control one ant and manipulate the composition and behavior of your colony to overcome rival red ants, hungry spiders, and human feet, in order to reach your goal—the house and its abundant food supply. \$59.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## SimCity

The city simulator strategy game. You become mayor and planner of your city. Fully animated with graphics and sound. Features include cars, boats, helicopters, and monsters. Includes eight cities on the verge of disaster: San Francisco before the earthquake, Tokyo before the monster attack, Boston before the nuclear meltdown. See CDTV section also. \$49.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## SimCity Graphic Set 1—Ancient Cities

Ancient Cities includes Ancient Asia, Medieval Times, and the Wild West. You, as Shogun of Ancient Asia, must lay down enough rickshaw tracks to keep the Sims from jamming the roads on their way to the Sumo wrestling contests. Or be king (or queen) for a day and raise gold to build your castle by taxing the rabble—but not so much that they revolt. \$34.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## SimCity Graphic Set 2—Future Cities

Future Cities gives players access to Future U.S.A., Future Europe, and Moon Colony. In Future U.S.A. and Future Europe, you can build fusion or fission plants to power your gleaming cities. Or shuttle off to the Moon, where you can found your own mining and research colony among craters and dust canals, while repairing meteor damage and fighting off the creeping acidic fungus. \$34.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## Ski or Die

Shred snow in this multi-event winter thrasherland. Carve up a speed-fed snowboard halfpipe, punch the ozone in the acro-aerial ski jump, smash your opponent in the innertube thrash, blast snowballs at unsuspecting targets, and torch your hair in the full-out downhill blitz. Rodney and Lester—everybody's favorite abusive tag team—are back again. Subzero arcade/action madness! \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Skyblaster

Fast-paced 3-D air/ground combat simulation. Battle planes and tanks from your helicopter. Solid graphics and extremely challenging. Skyblaster will provide hours of entertainment for avid game players. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Slaygon

Save the world from a toxic virus by destroying the Cybordynamics laboratory with your sophisticated military robot, Slaygon. Activate the Slaygon and prepare for the most important mission in the history of humanity. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Sleeping Gods Lie

A dying priest of the Kobbold Old Way bequeaths a sacred quest: to find and wake N'Gnir, an Old God rumored to slumber in one of the farthest

flung of Tesserá's eight kingdoms. Battle your way through 94 landscapes, fending off demons and bandits, befriend princes and hermits, winning knowledge and strength as you travel. Arm yourself with slings and crossbows, protect yourself with camouflage and dragonskin, and find the Ring of Annihilation. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Sliders

The rules of the game are simple. You have to try to score points by shooting a small ball into your opponent's goal area. The game play, however, is intensely interactive requiring concentration, strategy, and skillful reflexes. Test the skills of an opponent or challenge the computer to any of the 12 different playing arenas. Develop advanced game tactics, managing the intense and fast-paced gameplay. Perform complex maneuvering, swift interception, defense, multiple ricochet, and instinctive shooting. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Slip Stream

The nine streams of the Slip Stream have been overtaken by an alien race who have infested the planet with various defense space crafts. Each craft is powered by a crystal that lies at the end of each stream. Object: Liberate the nine streams by destroying each power crystal. After disembarking from the mother ship, destroy as much of the landscape and defense crafts as possible. Watch out for barriers! \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Software Golden Oldies Vol.1

Four great games. Adventure takes you to the depths of the Colossal Cave, where you collect treasure, and try to outwit the perils that lurk in every crevice. Eliza will simulate your conversation with a psychiatrist, and analyze you with unnerving accuracy. In Life, you'll graph new life patterns. And then there's Pong, the first video game and a true classic. \$29.95  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ◆ Space 1889

Space 1889 recreates the solar system as envisioned by the scientific theories of the 19th century, and in the imaginations of such classic writers as Jules Verne, A. Conan Doyle, and H.G. Wells. Imagine outer space is not a vacuum, but is instead filled with luminiferous ether that can be negotiated with modified sailing ships. Imagine further that the planets Mercury, Venus, Mars—even the Moon—are not lifeless, but populated by a variety of bizarre alien cultures. You've just imagined the universe of space 1889—a mystery/role-playing adventure combining history and classic science fiction. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Space Ace

Space Ace continues in the tradition of Dragon's with breathtaking graphics, animation, and sound brought to life on the Amiga. Our hero, Ace, is being attacked by the evil commander Borf, who has just kidnapped Ace's girlfriend Kimberly. Borf's plans are to take over the Earth by changing everyone into babies using his dreaded weapon—the Infanto Ray. It is your mission to save Earth. Be valiant, space warrior, the fate of Earth is in your hands! \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Space Ace II: Borf's Revenge

Featuring full-screen animation and digitized sound, Borf's Revenge begins where Space Ace I left off—in the space ship of the evil Commander Borf with Borf having just been turned into a baby by our hero Ace. But just when you thought Earth was safe from the evil commander, his little henchmen, The Goons, have blasted Borf a second time with the Infanto Ray, bringing him back to his full age...and evil. Lead Ace through battles with the

goons and other of Borf's allies until you must ultimately do battle with the evil commander himself. \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Space Harrier by Sega

Prepare for the most fantastic space battle ever in the home computer version of this classic Sega arcade hit. Zoom through a spectacular 3-D landscape as you fight off a myriad of bizarre creatures, including slithering serpents, fearless robots, and eerie stone masks throwing fireballs. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Space Quest I: The Sarien Encounter

Space-fantasy spoof featuring Roger Wilco, sanitation engineer turned interstellar swashbuckler who must save his planet against ship-napping Sarians. With 3-D animated graphics, new windowing system. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Space Quest II: Vohaul's Revenge

Roger Wilco returns in this Vohaul's Revenge sequel as a space hero trying to defeat the evil scientist, Sludge Vohaul. Colorful animated graphics. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Space Quest III: The Pirates of Pestulon

Once again Wilco is called to battle Pestulon pirates and to save two software authors, The Two Guys from Andromeda, from a shallow life of writing arcade games. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## ◆ Space Quest IV: Roger Wilco and the Time Rippers

This time Roger Wilco journeys from the 16-color past of Space Quest I to the frightening future of Space Quest XII, one step ahead of the Sequel Police, a group of nasty assassins. Sludge Vohaul has been reincarnated in a ghastly new form, and only Roger can stop his nefarious plans. Roger emerges as a more complex character than in the early games, and even gets to meet his yet-to-be-born son in a future scenario! \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Space Racer

Twenty-fifth Century racing game. The public's only excitement is the deadly Space Race Tournament. As Earth's champion, you must compete against three planets, three different tracks, and then the finals. Amazing 3-D animation! \$19.95  
*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263*

## Space Rogue

Sophisticated 3-D space flight simulation and intriguing role-play. Features superb graphics as you maneuver through twisting worm tunnels, turbulent ion storms, and dazzling shard fields. Lock onto streaking cruisers with your plasmatorps, zip through treacherous Malir gates as you seek your fortune as a merchant, pirate, or bounty hunter! Includes 90-page novella, reference card, map, and playbook. \$49.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Space Spuds

A 3-D arcade game designed for use with Haitex' X-Specs 3-D Stereoscopic Vision system. Players confront an intergalactic food fight as fat-filled junk food assails their shapeless ship. Colliding with the junk food causes players to gain weight until they explode. Haitex' X-Specs 3-D glasses offer a 3-D view of the assault. The LCD shutter glasses lug into the second joystick port. The system also allows users to create custom images. Package includes game, X-Specs 3-D glasses, Molecule 3D (a display program), D3-D (displays static images), and Cubes 3-D, a game in which cubes dance right out of the screen. 512K minimum. \$149.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

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## Space Wars

Space War is outer space combat action at its best. One or two players fight it out for a sector of space. Space War follows in the tradition of classics like Asteroids™ and features arcade-quality graphics and sounds to enhance the heart-stopping action that surrounds your space-faring warship. Play alone or combat another armchair starfighter in the most exciting and dangerous sectors of deep space. Players have a choice of six different ships and four different space sectors. Features include two-player simultaneous play, animated menu screens with narrated digitally-recorded speech, digitized graphics, and giant animated objects. \$39.99  
*Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317*

## Spacewrecked—14 Billion Light Years from Earth by Gremlin Graphics

In this outerspace adventure, the Commander of the Regal Fleet Flagship sends a desperate S.O.S. A defective light speed jump brought the fleet of ships too close to a Wolf-Raert star going nova, and the Commander's fleet of biological survey ships is immersed in deadly radiation. All systems have failed, and alien life-forms are threatening him and his crew. Players must explore the 20 ships in the fleet, return all systems to 80 percent efficiency, capture the aliens, and steer the ships back to earth. \$29.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## ◆ Speedball 2 - Brutal Deluxe

In this sequel to Speedball, players are challenged to turn the worst team in Speedball history—Brutal Deluxe—into champions. Players can be team manager or Speedball player and gear up with helmets for greater intelligence, chestplates, and other weaponry. Players can collect coins and tokens to purchase equipment and to alter the game play. In addition to scoring points via the goal, Speedball 2 - Brutal Deluxe awards players points for injuring the opponent and for bouncing the steel ball off bounce domes and score multiplier ramps. \$39.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Spherical

Enjoy tantalizing puzzles, terrifying pitfalls and blistering joystick action, with more than 100 different levels in both one- and two-player mode. Use your magic wand to create and remove blocks of stone to make a path to new levels for the magical crystal ball. Ghosts, spiders, dragons and other creatures try to block your way as you scurry across the screen, picking up magic potions, power capsules, gravity-reversing diamonds, invincibility tablets, and more. All this as you guide the crystal to its new home, in a race against the clock. \$24.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## ◆ Spoils of War

Strategic/management war game about discoveries, colonization, and conquests of foreign lands on faraway continents. Features: Nine different starting situations; two to four players (human or computer); 19 levels of difficulty; four seasons; governors, generals, and admirals to command with loyalty and administration values; command infantry, cavalry, artillery, fleets, more. Requires 1MB. Available late 3rd quarter 1992. \$59.95  
*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

## Sport of Kings

Formerly Omniplay Horseracing. The thoroughbred in all its splendor and grandeur brings you all the thrills of this royal sport. \$19.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Spot

Spot comes alive and boogies across your computer screen with commercial-quality graphics and sound. Fully-animated game pieces. One to four player modes, played against your friends, computer players, or a mixture of both. Nine selectable levels of computer skill. An on-screen playfield designer lets you can customize your own game or select your personal favorite

playfield from the 512 pre-programmed playfields. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Stable Owners Option Module

By adding the Stable Owners Option Module to your original Omni-Play Horse Racing game, you'll now enjoy the Sport of Kings from a whole new perspective. The Stable Owners Option Module allows you to join the elite class of thoroughbred ownership giving you control over the destiny of your own horses. The stakes are high, but so are the rewards. Experience firsthand the trials and tribulations of being stable owner. Put together your own personal stable of Claiming, Allowance, and Stakes Horses. Hire jockeys and match their skills against the competition as you now enter them into the races of your choice. The Stable Owners Option Module provides true fans with in-depth challenge and strategy. Up to four human players can participate at the same time against other computer opponents. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Star Control

An action/strategy game. Star Control is set in Earth's future where a 3-D rotating star cluster is your battleground. The large star cluster cannot accommodate all the alien races which make up the Ur-Quan Hierarchy and the Alliance of Free Stars. As a one or two player game you may select battle cruisers from the Hierarchy or Alliance. Star Control contains nine different strategic scenarios each with varying starting and victory conditions. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Star Wars

Based on the George Lucas blockbuster, the game pits Luke Skywalker against the Empire's Death Star. \$39.95  
*Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263*

## Starflight

The year is 4619. The mission: find colonizable worlds, gather minerals and ancient artifacts, and learn the secrets of alien races. As commander of an interstellar spaceship, players train a crew of up to six members from five alien species: humans, androids, insect-like Velox, reptilian Thrynn, and Elowan, a race of intelligent plants. A built-in fractal generator treats players to beautiful color animation that brings unprecedented realism to rotating planets and landing sequences. It includes 270 star systems and 800 planets. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Starflight 2: Trade Routes of the Cloud Nebula

The Spemin, an arrogant race of slimy blobs, are back in Starflight 2—with new weapons, unlimited fuel, and grand hopes of turning the universe into a giant petri dish. You've got charm, wits, and a hot starship, but unless you discover the source of their fuel and technology, you and everyone you know will be serving mucous cocktails to the Spemin overlords. Talk and trade with 29 new and unique alien species, explore over 500 new worlds, and solve today's mysteries by experiencing the intricacies of the past.  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Stellar 7

A futuristic arcade game, Stellar 7 combines strategy, hi-tech weaponry, and seven levels of action as players become the earth's only hope against invading Arcturan forces. At the controls of the earth's most sophisticated fighting machine, players will battle forces on seven worlds, and engage in hair-raising final confrontation with Gir Draxon, the supreme overlord of the evil Arcturan Empire. Users can choose between mouse, joystick, and keyboard support. Three-disk set, 32-color graphics, full sound support, and digitized voice. \$34.95  
*Dynamix, division of Sierra On-Line, 99 W. 10th, Ste. 224, Eugene, OR 97401, (503) 343-0772*

## Storm Across Europe

It's 1939: The fate of Europe is in your hands! The blitzkrieg that Hitler unleashed in 1939 swept across Europe like a terrible storm that raged for six years. Now SSI has designed this fast, exciting game that allows you to simulate the entire war on a grand strategic scale—in as short as one evening! Multiple scenarios and the ability to change starting levels for each country allow for endless variations. Up to three players can play this game, with the computer able to control the Allies and/or the Russians. \$14.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Stratego

In the computer version of Stratego, one player competes with the computer. As in the traditional game, each opponent is provided with a 40-piece army made up of officers ranked in importance according to their position in addition to one spy, six bombs, and one flag. Each opponent secretly sets up one side of the game board or battlefield, planning a defense and an offense. The objective is simple. Whichever side captures the opponent's flag first wins the game. The computer version leverages the ability of the computer by providing strategists with custom game boards and piece sets, a library of game set-ups, multiple levels of difficulty and digitized sound effects. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Street Fighter

Do battle in the back alleys of the Big Apple. In the shadow of ancient Chinese temples. In not-so-jolly old England. And win the grudging respect of eight of the toughest, meanest street fighters on the planet. Forget all the rules. This is strictly survival of the fittest. You'll need power, speed, and plenty of street smarts. Watch out for Geki and his Ninja weapons, Birdie's lethal head butt, and the flying scissors kick of Gen. You've got a few tricks up your karate sleeve; a martial arts arsenal that includes hurricane kicks and dragon punches. Don't hold back for even an instant. No holds barred, best two out of three competition. Fight in England, China, Japan, or the U.S. \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## Street Rod

The complete 50's hot rodding simulator/construction set. Choose from among 25 authentic street rods from a '32 Deuce Coupe to a '63 Vette and customize them with over 35 performance parts. Then cruise down to the drive-in to challenge the locals to either a drag or road race. Win enough bets and pink slips and you may get a shot at the local 'king of the streets'. \$49.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## Street Rod 2

Car savvy, driving skill and race winnings take you from high-school senior to King of the Road. Street Rod 2 is an expanded construction set and racing game. This advanced driving simulator for the Amiga blends stunning bit-mapped and vector graphics to heighten the racing experience. The player uses driving know-how and race winnings to put together a real mean machine. Then it's a test of his racing skill as he faces three new and demanding courses. By beating all the local challengers, the player at last takes on the King of the Road in the final shut-down. With 25 cars and over 60 spare parts to buy and sell, the player can spend a whole summer with a wrench in his hand. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## Strikes Aces: International Bombing Competition

In 1984 the skies of North and South Dakota rumbled with the deafening sounds of the world's most powerful attack aircraft as they participated in competitive operations. For this epic event, the armed forces of each of the NATO/WARSAP pact nations were invited to bring their top gun pilots and their best strike aircraft together for a Strategic Air Command (SAC) Bombing Competition. During these extraordinary operations, top gun crews participated in a series of air-to-air and air-

to-ground strategic missions, wherein priceless training was received. In this new flight simulation, players recreate this 1984 competition. Combining combat, strategy, and a wide range of challenging strike missions with detailed replicas of 13 different aircraft, Strike Aces allows computer pilots to take to the controls of six aircraft, including a Russian MIG, on 16 different combat intensive missions. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Strip Poker III

Strip Poker III offers three new opponents who take you on in a challenging game of poker with some very different table stakes! You can play against one, two, or three opponents simultaneously. The graphics have been extensively updated, using the Amiga's hold and modify (HAM) graphics capability to produce life-like displays. During play, all opponents are shown, with one opponent occupying a large play area and the others displayed in smaller windows. These windows can be swapped with the main opponent display at any time. The program uses digitized speech to better define each opponents personality. Additional data disks are available for \$24.95. Requires 1MB. \$49.95

*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Stunt Island: The Flying and Filming Simulation

An island paradise is the setting for a brand new kind of simulation. The island complex was designed for the express purpose of staging and filming the most exciting and dangerous aerial stunts. Players will move up the ranks in either film making or stunt flying as they learn from the best of the best. P-51 Mustangs, the Pitts Special and other planes are at the player's disposal to try the hottest stunts imaginable. As a film maker, the player will learn camera placement, choreography, directing, and editing in pursuit of producing the ultimate thrill movie. Stunt Island is a simulator that can be creative as well as exciting. \$59.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## Stunt Track Racer

Race over 200 miles per hour on a narrow track hundreds of feet high, with all the twists and turns of a roller coaster but without the guard rails. You are up against drivers who know these turns and who know how to fly. You're racing to win, and on the stunt track circuit, winning is everything. \$39.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Sub Battle Simulator

World War II simulation. Patrol over 20,000 nautical miles as you perform over 60 different missions including seek-and-destroy, rendezvous, and much more. Use any one of six American or German subs. \$19.95

*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Super Games Pak

Three high-quality arcade games for a single low price. In Deathbots, you must infiltrate an enemy research center and destroy the all powerful Gamma bomb, but look out for the deathbots who guard the complex. Jailbreaks is a fun, fast-action Breakout™ game with 100 levels and a custom level editor built in. Byteman puts a bit-muncher in a giant eight-direction scrolling maze crawling with baddies. All three games feature great graphics, digitized sound effects and were written in 100% assembly language for lightning-fast execution speed all arcade gamers demand.

*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Super Hang-On

Nobody can resist the pure temptation to go just a little faster or push a little harder. In this outstanding arcade translation, we do just that. We put gamers on the edge and challenge them to live there. Enjoy fast-paced motorcycle racing action, where riders race on four different continents, each representing different levels of skill and difficulty. True-to-life animations of bike and rider. Full-screen track representation. Turbo

mode gives the true feeling of speed, and responsive acceleration to enhance playability and excitement. Nothing can compare to the feeling of anticipation and power as man and machine perform. \$44.95

*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Super Huey

Helicopter flight simulator; explore unknown territory and map the terrain. Combat using rockets and machine guns to defend a secret desert installation from unknown hostile forces. Your assignment is to locate and attempt a pick up of stranded military personnel, while learning the techniques of flying and familiarization of instruments. Joystick recommended. \$14.95

*Cosmi Corporation, 431 N. Figueroa St., Wilmington, CA 90744, (213) 835-9687*

## Super Off Road

Strap on your helmet, grit your teeth, and prepare to master mud heaven with Ivan 'Ironman' Stewart's Super Off Road. Shake, rattle, and roll your way through mud holes, jumps, matchoffs, and spin-outs in the closest thing to genuine short-course racing you'll ever experience. Race up to three players at the same time. Go wheel-to-wheel on eight different stadium tracks and a total of 16 configurations. Trade winnings for accessories at the speed shop to improve your chances at victory. Enough rough and tumble racing excitement to turn you into a lean, mean, off-road machine. \$39.99

*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Supercars

Add on car disk for The Duel containing the newest models of production cars including: The '88 Lamborghini Countach 5000s; the '88 Lotus Turbo Esprit; the Ferrari Testarossa; the Porsche 911 RUF, and the '89 Corvette ZR1. \$21.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Superman: Man of Steel

You are the Man of Steel, but countless challenges await you. An endless siege of earthquakes and volcanoes are rocking Earth; terrorists have hijacked a yacht with Lois Lane and the governor on board; and two of your most dangerous enemies have struck an unholy alliance. The clock is ticking with only hours left to save the world. \$39.95

*Intracorp, Inc., 14540 SW 136th St., Ste 204, Miami, FL 33186, (800) 468-7226*

## Superstar Ice Hockey

Sharp graphics and realistic play put you into the middle of the action of this sports simulation. Make the trades, recruit players from the minors, conduct training camps, make line changes, call strategies, and compete against your opponents in this multi-dimensional game. You act as player, coach, and manager. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Swap

A sophisticated puzzle game based on squares, triangles, and hexagons. Swap them at will. The goal is to eliminate each shape by bringing two identical ones side by side. The level of difficulty becomes more complex as you move from an environment of squares through to hexagons. You will encounter more than 300 levels of play, millions of layouts, and billions of combinations. The game has two modes, practice and competition. \$49.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Sword of Aragon

The Duke of Aladda has died and left his last will and testament to you, his only child and heir. The Duke's legacy is a gallant one, replete with deeds of valor in the defense of Aladda. By his efforts, the former capital of the western realm of the Aragonian Empire has returned to a proud state. It is your father's deepest wish that you once again extend Aladda's dominion and eventually sit on the emperor's throne in the city of Tetrada. \$14.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Sword of Sodor

Sparkling graphics with animated, screen-sized characters and dual roles let you challenge the odds as hero or heroine! \$34.95

*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093, (410) 560-2434*

## TRUMP CASTLE

The ultimate casino gambling simulation: Trump Castle includes six of the most popular games: black-jack, roulette, craps, keno, nine varieties of slot machines including progressives, and video poker. From the 3-D animation of the roulette wheel and the dice at the craps table to nine different slot machines, varying table limits and range of chip values, Trump Castle brings real-life casino play to a home computer. \$39.95

*Intracorp, Inc., 14540 SW 136th St., Ste 204, Miami, FL 33186, (800) 468-7226*

## Table Tennis Simulation

Table Tennis Simulation features singles and doubles games against the computer or with or against a human partner. Play in the World Championship against a select group of players—or up to 20 players. All techniques available: block, topspin, slice, high serves, net attacks; choice of paddle cover; saving and loading of rankings; training against a ball machine; etc. \$34.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## TableTop Treasury

The TableTop Treasury is a five-disk compilation of 24 of the best freely redistributable board, card and mind games for the Amiga. Included are Solitaire, Golf, Mosaic, Tiles, YahZee!, AmigaTration, HuskerDu, Trek Trivia and 16 more. Available direct and through computer retailers. Available for NTSC. Amiga 500-3000/512K; one floppy drive minimum; 1.3 and 2.0 compatible. Other sets available. Call for details. \$14.95

*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133, (216) 582 0910*

## Talespin

Talespin is a package which combines drawings, texts, and sounds into a series of pictures to form an interactive adventure game. \$49.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Tangled Tales

Cast in the role of a wizard's apprentice, the player is given three progressively difficult tasks to accomplish as proof of their wizardly worthiness. Before long, discover an outlandish world that includes haunted houses, medieval fortresses, and contemporary country farms. From a few hours to a few days of time-tripping fun and excitement. Travel through time, across continents—even use a magic carpet! \$29.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Tanglewood

Control five mining mobiles, each with its own programs and data. Search the planet Tanglewood for the priceless 3-D crystals. Problem solving in real-time, with over 1,200 locations to visit. Mouse-controlled, no text entry. Success depends on your problem-solving ability and dexterity. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Tank Attack

Up to four players may take the role of the commanding General of a country's Tank Corps with an objective to capture the enemy headquarters. The computer issues all movement orders, battle results, the status of each unit, and a daily newspaper which gives a full report. Players form allies before war is declared. The program comes with a 17-inch x 17-inch playing board and 48 playing pieces. \$29.95

*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Targhan

Win the ultimate battle of good vs. evil in the adventure of a lifetime! Be Targhan, the barbarian on the search for the evil one. Battle 40 different life-like creatures, each massive and detailed; explore 120 different landscapes, indoors and outdoors; use special weapons; drink potions to

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# Entertainment

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use the wizard's magic; fight giant dragons. \$39.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Team Suzuki

Live the sensation of a Grand Prix season with Team Suzuki, a first-person motorcycle racing simulation with 125cc, 250cc, and 500cc Suzuki motorcycles and 16 challenging circuits. \$19.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Team Yankee

Distributed by ReadySoft, presented by Empire, Team Yankee is the definitive action simulation of modern tank warfare. Watch scenarios unfold on 3-D battlefields with high definition graphics and keep track of the four tank platoons you control using the unique four quadrant display. Defend Hill 214 from Yuri Potecknov's crack tank platoons, attack Objective Link through sniper fire from forests, protect the Gap from an entire Soviet tank battalion at night. Five major scenarios based on the battles featured in the New York Times No. 1 bestseller, Team Yankee. \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## ◆ Team Yankee II: Pacific Islands

By Empire. This much awaited sequel to Team Yankee puts you in the year 1955 and in control of an American tank platoon whose mission is to reclaim Yama Yama, a strategically important group of islands in the Pacific. The five islands of Yama Yama have been invaded by disaffected Soviet communists backed by North Korea, severing one of your most secret and vital communications links. You must act quickly to eliminate the enemy in this desperate race against time. Pacific Islands will test your strategic abilities as you simultaneously deal with multiple objectives through over 30 nerve-clenching battles. Only if all five islands are liberated can your mission be called a success! \$49.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Teenage Mutant Ninja Turtles

Team up with these heroes on a halfshell, armed with wacko bombs and armed blimps, as you fight off the Evil Foot Clan. Joystick controlled. For one player. \$44.95  
*Ultra Software Corporation, 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111*

## Teenage Mutant Ninja Turtles: The Arcade Game

A made for home computer version of the original coin-op game. Two-player simultaneous action for ultimate Turtle Power. Battle through eight levels. Guide the Turtles on skateboards and through burning buildings. Save April and defeat Shredder while battling over 600 enemies. \$39.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## TeleEpic

The medieval version of the ultimate strategy war game. Instead of commanding tanks and artillery, you lead a band of heroes waging war against your mortal foe. Test your skills wielding a mighty axe or sword. Throw a dagger or check your accuracy as an archer. \$39.95  
*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106, (817) 737-3297*

## TeleGames

Like all our 'Tele' products, TeleGames provides the enjoyment of competition without the problem of where to play. Competition is enhanced with smooth 3-D perspective graphic animation and digitized sound effects. Players may compete on one computer or 'TeleConnect' via modem. \$34.95

*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106, (817) 737-3297*

## TeleWar

Strategy war game for two players at one computer or over the telephone. Destroy the opponent's headquarters. \$39.95  
*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106, (817) 737-3297*

## Telewar II

The Ultimate War Game Revisited with new terrains and enhanced gameplay features. Experience the ecstasy of blasting your best friend to rubble or disintegrating someone you don't even know. Watch out! You may be the next casualty peering out of a twisted pile of smoldering steel. \$39.95

*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106, (817) 737-3297*

## Tennis Cup

Race into the fast-paced world of international professional tennis. Hit top-spin shots, lobs, deep volleys, overhead smashes, and drop shots to any part of the court, as you play on grass, clay, the hard court, or indoors. Match your skills against a friend, or the computer. With variable player skill levels and selectable game speed options, Tennis Cup is appropriate for all ages. \$39.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Terrain Editor

Custom design your own landforms for SimCity. Modify existing landforms. Place rivers, forests, coastlines, and bare land where you want them. \$19.95  
*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## Test Drive

Driving simulation lets you drive one of five sports cars. Game ends early if you drive too slowly, go off the road, or get pulled over. \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Tetra Quest

Before the first galactic games can start, you must recover the stolen six Phoenix Tablets. They've been stolen by the Tetroids, who weren't invited to participate. If you can recover the Tablets, Phoenix, the sun god will make you a Phoenix and you'll soar above the four-level world. Space-age action. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Tetris

Requires fast thinking and quick reflexes. A variety of shapes descend from the top of the screen, player manipulates shapes into position to form solid rows. Challenge and speed increase at higher levels. \$34.95

*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584*

## The Adventures of the Amazing Benson Boys

An interactive multimedia adventure game. Join the boys in their quest for lost cities, endangered animals, hidden treasure, space exploration. Participate as a member of their expedition helping them to overcome obstacles and hardships. \$49.00  
*Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826*

## The Bard's Tale III: Thief of Fate

Someone or something has sealed the city's fate with an evil so vast that a host of Paladins and an army of Archmages are outmatched. Hard times call for subtlety. Smaller is better. Sneakier is best. What the world needs now is a thief. A compelling role-playing adventure with over 13 character classes and 80 dungeon levels. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Bard's Tale II: The Destiny Knight

A new Bard story with a new villain—the Archmage. More dungeons, clues, monsters, wilderness, and more. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Black Cauldron

Based on the popular Walt Disney movie. Several game solutions, music, and 3-D color graphics. \$39.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## The Blue Max-Aces of the Great War

The Blue Max-Aces of the Great War recreates the excitement and challenge of air-to-air combat over France during 1917. There is enough dog

fighting action combined with strategy to satisfy both the novice and the experienced game player, with 32 colors and digitized sound. \$49.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Cardinal of the Kremlin

Anti-missile defenses and satellite technologies provide the central action in Tom Clancy's novel, The Cardinal of the Kremlin. In Capstone's computer simulation, players are challenged to develop these strategic defenses for America—manipulate a myriad of international forces, deal with espionage, terrorism and global politics—to win the technological race against the Soviets. See CDTV section also. \$49.95

*Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040*

## ◆ The Chaos Engine

From Konami and Renegade. A massive global catastrophe has paralyzed a crumbling mansion in Victorian England—The Chaos Engine. This malfunctioned computer is distorting the fabric of time and space. A party of six must team up to destroy it. They must survive four levels of dark forests, sprawling industrial workshops, and the doomed mansion. Artificial intelligence is built into each character. Each character has unique abilities which vary as game develops. Players can control up to three characters at a time. Available second quarter 1992.

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## The Chessmaster 2000

Library of over 71000 moves, boasting 12 different levels of play from Newcomer to Grandmaster, including Teach and Hint. Players can play against the Chessmaster or select the Two People mode and have the program referee. It allows players to take back moves, show captured pieces, print games, replay games, solve problems, or watch great matches from the library. Complete with booklet. \$44.95

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Chessmaster 2100

Whether you're just learning chess or you're a true pro, this is the game for you! We took the award-winning Chessmaster 2000 and made it even better...the result is a magnificent chess program that contains every option that skyrocketed 2000 to the top of the charts and more! Chessmaster 2100 offers an unlimited number of levels, triple the number of features, more and different classic games, and even greater in-depth analysis. \$49.95  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Colonel's Bequest

The Colonel's Bequest is the first of a new series of Laura Bow mysteries. As college coed Laura Bow, daughter of a New Orleans police detective, you spend the weekend with your schoolmate at her uncle's bayou mansion. It seems the family has gathered for the reading of patriarch Colonel Henri Dijon's will, and the group learns it will share in the old codger's wealth... if they outlive him! Call company for details. Requires 1MB. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## The Colony

Enter The Colony and embark on an adventure so real and unique that you melt into the environment. Players become the space marshal who must explore a six-level colony to rescue survivors from a planet overrun by aliens. Combining action, strategy, and the most advanced 3-D algorithms in home computing gaming. This is the adventure game that captures science fiction at its best. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Crossword Creator V.1.1

Version 1.1 allows you to design, save, and print your own crossword puzzles. Fast 87,000 word pattern-matching dictionary. \$49.95  
*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

## The Cycles

Motorcycle racing simulation. Includes the actual international Grand Prix courses, three performance classes, and five different skill levels. You compete against nine world-class Grand Prix riders. \$49.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## The Duel: Test Drive II

Racing simulation. Head-to-head racing with the world's two fastest (200 mph.) production cars: The Porsche 959 vs. the Ferrari F40. \$49.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## The Enigma Device-A Game of Cryptograms

A traditional word game of cryptograms based on Hitler's infamous WW II German secret code machine named the Enigma Device. Up to 20 players at a time solve word puzzles (simple substitution ciphers). The game tracks performance histories of all 20 players for solo, family, or group fun. Users can create their own cryptogram puzzles, entered from newspapers, magazines, and other sources, for use in the game. Over 1000 cryptograms are included on disk. Choose from many interesting categories including Quotations, Rhymes, Murphy's Laws, Definitions, Wisdom, Proverbs, and Great Thoughts, etc. Cheat button allows one clue per cipher. Comprehensive manual provides extensive help tables. \$39.95

King Publishing, 1200 Treadway #226, Austin, TX 78704, (512) 448-2414

## The Game of Harmony

In this arcade game for the new age, players use a combination of strategy and concentration not to annihilate objects on the screen, but to keep them from blowing up. A one or two player game, players control a single spinning sphere, referred to as 'the seeker', on a screen filled with constantly moving, multi-colored orbs. The object is to create synergy by strategically maneuvering like-colored orbs together before they explode with tension. If two orbs of differing colors are allowed to synergize, they will create a small pod that can be gobbled up for energy if you act fast enough. Otherwise, this pod will expand into a completely new orb. Accompanied by randomly generated musical scores, the game contains 50 progressively challenging configurations (levels) randomly arranged with orbs which glide around the screen while you attempt to gain points, and eventually ultimate harmony. \$29.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## The Godfather

A computer adventure which captures in graphic and blood chilling detail, the atmosphere of the Godfather trilogy. \$49.95

U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607

## The Gold of the Aztecs

For 400 years no one has dared to take up the toughest challenge man has ever known—to find Quetzacotl's Gold of the Aztecs. No one has dared, that is, until today. Bret Conrad, ex-Special Forces Commander is bored. His combat training has made mortal danger a way of life, and he's been looking for a death defying mission that he can really sink his teeth into. Over 80 screens of non-stop action and devious puzzles, 7,000 frames of animation, and 600K of music and sound effects. \$49.95

U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607

## The Hound of Shadow

The Hound of Shadow features a new role-playing system called Timeline. You begin by creating a Timeline character. You choose the character's sex, nationality, one of nine professions, and an assortment of skills from over 50 possibilities. As you play the game, the character's attributes affect the events—maybe even the outcome—of the adventure. The difference might be subtle, such as receiving an extra clue through special skill in history, or the plot may change dramatically. You can even use your character in other Timeline adventures, and his or her experiences will be recognized in the adventure. The adventure is set

in England in the 1920s—a country recovering from the ravages of war. It was a time when extremes of wealth and poverty rubbed shoulders, and it was fashionable to cultivate an interest in spiritualism and magic. \$19.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## The Hunt for Red October

The ultimate submarine simulation game! Armed with 26 SS-N-20 Seahawk missiles, this Soviet killing machine is capable of destroying 200 cities. Equipped with the unique Caterpillar propulsion system, detection of the Red October is nearly impossible. Your mission: to defect to the West. Test your brilliance in stealth, evasion, and navigation as Commander of the Red October! Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## The Keys to Maramon

The world of The Magic Candle has many tales to tell. The Keys to Maramon is one of the best—a tale of action, bravery, danger, and excitement. Join the tale yourself! Excite your brain and your finger to the max, and return with the keys to the city—The Keys to Maramon. \$49.95

Mindcraft, 2341 205th St., Ste. 201, Torrance, CA 90501, (800) 525-4933

## The Killing Game Show

Set in an alien solar system where all violence has been eradicated, the hottest inter-planet TV game show is The Killing Game. In this game competitors are selected from each planet and have to negotiate the defenses on opposing planets. These play areas are all based inside cylindrical arenas which are slowly filling with water. The object is simply to reach the exit at the top of each cylinder without being destroyed. The player will take the part of a competitor from one of the planets involved. They will travel between the various worlds taking the challenge of the natural terrain of each planet. The arenas will vary from planet to planet. Some will be made of Caverns, Roman Temples, Organic Materials, and other forms. There will be eight planets, and three cylinders on each planet making 24 levels in all. \$44.99

Psychosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

## The Last Inca

The evil wizard Zulphosi was held captive under the rule of the three wizards from the new islands. After the last real wizard there died, he managed to escape. He now seeks revenge against the Inca people for their allegiance to the three wizards. Will you be the one to challenge Zulphosi? \$39.95

Mainstream America, 1012 South Main Street, Taylor, PA 18517, (717) 562-0650

## The Legend of William Tell

Perched on top of your young son's head, the shiny red apple seems to dance in the crossbow's sight. Sweat trickles into your eyes as you strain to keep the target absolutely still. A miss destroys your only son, but split the fruit and you both live to fight for freedom another day. No one said it would be easy. Travel through more than 100 unique and colorful screens while befriending or fighting monks, castle guards, wolves, and others. Engage your enemies with a variety of weapons, including three different crossbows that you can aim using the unique 'crossbow targeting window.' \$24.95

Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031

## The Lord of the Rings

Based on the classic Tolkien saga, this is the first in a trilogy of games. Combining the elements of graphic adventure and role playing, it uses full-screen, top-down graphics, a point-and-click interface, an off-line paragraph system, and four-directional scrolling to maneuver players through the seven map world of Middle Earth. Primarily a game of exploration and information gathering, combat always remains an option, as Middle Earth is inhabited by orcs, wargs, dark riders, and a whole cast of Tolkien monsters. Starting out as Frodo, the hobbit, players can recruit characters to join their party as they progress through the game. \$54.95

Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 545-9001

## The Magic Mountain

A strange, weird world on the Sacred Mountain. Essentially, the program is an apprenticeship in the shamanic tradition using the dramatic setting of the mountain. Not for the young or timid. The program is for those who glory in the power of their own minds to create themselves and the worlds around them. Male or Female version \$29.95 each. \$39.95 for both.

Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172

## The Perfect General

Based on a series of tournaments played weekly over a period of 12 years. Bruce Williams Zaccagnino created the original design with a goal of simple game play with great depth of strategy. Uses very simple combat pieces with well-defined attributes and capabilities. Includes a wide variety of challenging scenarios, from very simple to highly complex. Each scenario has infinite strategic and tactical options available. You can discover virtually thousands of different games within each scenario. There is no single correct strategy! This is one game you won't tire of for many years to come.

Quantum Quality Productions, 1046 River Avenue, Flemington, NJ 08822, (908) 788-2799

## The Plague

Purge the planet from plague-infested mutants in this incredible new game! \$39.95

Innerprise Software, Inc., 1818 Pottersburg Road #30, Timonium, MD 21093, (410) 560-2434

## The President is Missing

Terrorists have taken another hostage. Only, this time, it's the President of the United States and several other members of a top-secret economic summit. Your job: find them! Includes 30-minute audio cassette with kidnapper's demands and mystery clues. Foil this diabolical plot! \$39.95

Cosmi Corporation, 431 N. Figueroa St., Wilmington, CA 90744, (213) 835-9687

## The Revised Ultimate Hint Kit Vol. I

TRUHK contains over 35 walk-thrus, 60 detailed maps. Also included are game and character editors for various games. Requires 512K. \$19.95

Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964

## The Revised Ultimate Hint Kit Vol. II

TRUHK II contains walk-thrus for Drakkhen, Might & Magic and most of the Sierra games. TRUHK II has over 60 detailed maps. Maps for Infestation, Persian Gulf, Champions Krynn, Stryx, and more! TRUHK II includes game patches for unlimited lives or power for Persian Gulf, Infestation, Teenage Turtle, Killing Game Show and more! TRUHK II also contains character editors for Might & Magic, Drakkhen, Champion Krynn. Requires 512K. \$26.95

Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964

## The Rocketeer

He never intended to become a hero, but then most people don't clash with Nazis and have G-Men on their tail while trying to rescue their kidnapped girlfriend. The Rocketeer must face all of this and more in this action/strategy game from Disney Software. Set in the 1930's, The Rocketeer lets players fly vintage aircrafts and pit their brawn and wits against Nazi henchmen. Players will also be able to fly the experimental Cirrus X-3 rocket pack. \$49.95

Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360

## The Scrolls of Talmouth

First in a series of quest disks for Paladin, the animated fantasy game. Each quest disk includes 16 games, all linked into one grand quest. Mages, swordsmen, rangers, and thieves will put you to some difficult tests on your path to knighthood. \$24.95

Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423, (203) 678-7679

## The Secret of Monkey Island

The late 1600's were the best of times for pirates. Secure in their Caribbean strongholds, they amassed huge fortunes plundering shipments of New World gold. Tales of pirate wealth attracted many adventurers, among them our hero, who

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# Entertainment

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Last Minute Additions

lands in the port of Melee with high hopes, no money, and an insatiable curiosity. If he's clever enough, he will win the confidence of Melee's pirates and soon find himself blown by the winds of fate toward the terrifying and legendary Monkey Island—an adventure that would chill the bones of even the most bloodthirsty buccaneer. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## The Seryachi Campaign

First in a series of combat scenario disks. Each disk includes 16 scenarios—all set within a self-consistent network. Whether you're fresh out of bootcamp or a veteran STAR leader, these campaigns will give you a chance to test your mettle against a challenging set of opponents and conditions. \$24.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423, (203) 678-7679*

## The Terminator

The story of a superhuman cyborg sent back through time from a hellish future where man's very existence hangs in the balance and machines rule the earth. His mission—to destroy the mother of the one man who is destined to save mankind. \$39.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300*

## The Third Courier

This role-playing game takes players to the city of Berlin where you assume the role of Moondancer, the free world's best secret agent. Your mission: recover stolen NATO defense plans. Two of the three NATO couriers who were handcuffed to the plans now lie on marble slabs in a morgue. Each was carrying a crucial component of the NATO non-nuclear defense plans—a computer chip, a floppy disk and a CPU. You have seven days to search for the Third Courier and locate each of the three components before they fall into the wrong hands. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## The Twilight Zone

You're traveling in another dimension. Not only of sight and sound, but of mind. Where shadows of reality mix with images of nightmares...There's a signpost up ahead...The next stop...The Twilight Zone. Participate in several stories that, at first, may seem unrelated, but eventually weave themselves into a single complex plot. Distributed by Mainstream America. \$39.95  
*First Row Software Publishing, 257 St. James Pl., Philadelphia, PA 13106*

## The Untouchables

Based on the smash-hit movie. The Untouchables virtually blasts its way onto your computer screen. The game's spectacular busts, raids, shootouts, and duels put you in control of Eliot Ness' elite squad of Mafia-busters. You'll relive the knife-edge existence of these fabled lawmen as they crusade against lawlessness and injustice through the crime-infested streets of Chicago in the 1920's. Take on the Mob as you lead the Untouchables on their most difficult mission ever. Every minute contains explosive action and intense adventure, and a thrilling denouement ends the game. \$19.95  
*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## Their Finest Hour: The Battle Of Britain

During the summer of 1940, wave after wave of German fighters and bombers pummeled RAF bases in southern England. Now you can capture the aerial heroics on both sides of the conflict. Fly Spitfires, Hurricanes, Messerschmitts, and German bombers in 3-D air combat so real you can almost feel the gunfire. See exciting replays of your combat exploits from any angle in real-time or freeze-frame. You can even save them on disk. Includes photo-packed 180-page manual. A fitting tribute to the 50th anniversary to the Battle of Britain. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Theme Park Mystery

Theme Park Mystery combines adventure and strategy levels with unusual clue-bestowing segments. A complex, multilevel mystery that trans-

forms you into different characters and sends you through four warped worlds: Yesterdayland, Futureland, Dreamland, and Dragonland. Detailed character animation and background graphics give Theme Park Mystery a unique polished look. Captivating sound effects set the tone for Theme Park Mystery. \$19.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Thexder

Pilot your armored robot through caves, cargo holds, and spaceship interiors. Transform Thexder into a jet. Over 20 kinds of aliens, hi-res artwork, synchronized soundtrack. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## ◆ Thromulus - The Enemy Within

This strategy game pits human or computer opponents in a battle of the bloodstream. Move and grow your pieces in an attempt to control the majority of the play board. The player with the most controlled areas wins. Different board variations allow for almost unlimited types of playing boards. Includes a built-in board editor for creating your own board puzzles which can be traded with friends! \$44.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## Thud-Ridge

You lead Wild Weasel in a modified Thud, and F105 Thunderchief. Only one thing stands between you and Hanoi—Thud Ridge—40 miles of rolling terrain leading straight downtown. Being a Thud Driver demands nerve, skill, and raw courage. Master the 10 actual missions. If you've got the guts, this is your game. \$44.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Thunder Blade

Control the world's most sophisticated attack helicopter in the home-computer adaptation of Sega's #1 blockbuster arcade hit. Fly over skyscrapers, mountains, deserts, and the sea as you attempt to accomplish the near-impossible mission of defeating the enemy. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ThunderStrike

The year is 2238. Earth is controlled by defense industries and TV networks. You are a gladiator competing in televised military Olympics, high-tech fighter pilots battling enemy drones and generators to obtain high TV ratings and high scores, and keep alive. Choose from five deadly attack fighter crafts with varying speed, maneuverability and acceleration. Zoom over colorful futuristic 3-D battlefields in five different arenas with ten levels in each arena. HUD provides imaging for fast maneuvers in deadly low-flying combat. \$39.95  
*Live Studios, Inc., 30151 Branding Iron Rd, San Juan Capistrano, CA 92675, (714) 661-8337*

## Thunderboy

An action-adventure game. Battle the dragon in the dark land where even the butterflies are deadly. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Tie Break Tennis

It is possible to play a singles or doubles tournament, and by using the optional joystick adapter, up to four players can play at the same time. All techniques are available: crushing serves, forehand, backhand, topspin, slices, lob, overhead play, volley, passing shots, drop shots and soft balls. This game features amazing speech and sound effects and a presentation in TV-style. \$39.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Time Bandit

Sixteen lands, 16 levels per land, over 3000 screens. Travel through time and space for priceless treasures. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Times of Lore

An ancient land is in turmoil since the king and his young child disappeared 20 years ago. You, as a hero-for-hire, learn much of the distinctions between appearance and reality while completing your quests. Over 60 characters, detailed cities, and towns. \$39.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Titan

The year is 2114, the place: Vegapolis. Professor Hybris, the genius behind all analytical conceptors, is the creator of a brand new leisure concept, which has been driving crowds crazy. But the game is deadly and all have died somewhere along the 80 levels. To succeed, you must guide the power sphere across eighty immense and synthetic worlds using just one magical and magnetic control unit, while avoiding all manner of death obstacles. Ultra-fast scrolling, multi-color graphics, and a variety of game play. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Tom Landry Football

Now you can have professional football all year round with this action-packed strategy game. Put your knowledge of football to the test. Choose your team as well as formations and call your own plays. Need advice? Ask Tom Landry for some helpful hints. See you in the playoffs! Requires 1MB RAM, Kickstart version 1.2 or later. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Tournament Disk for Leader Board

Accessory for Leader Board. \$19.95  
*Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880*

## Tracers

The interiors of all computers have been invaded by terrorists, thieves, and other lowlives. As a member of the Integrated Human Operations Police, you must stop them. \$24.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Track 2 Option Module

All new racing animation as well as enhanced pre-race parade graphics. Also includes Stable 2: 128 new horses with their own names, skills, and personalities. Works with any Horse Racing Module. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Track Designer Option Module

Break away from traditional oval tracks by creating an unlimited quantity of race tracks of varying shapes, distances, and difficulty. Comes with its own track player so that you can use your newly created tracks with any Horse Racing Module. Includes Saddle-3-D graphics so you can experience each race from the horse's back. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Traveler by Paragon

A science fiction role-playing adventure. Explore unknown star systems, trade and piracy, governments, and political structures. Meet bizarre human and alien cultures and battle in fast-action combat with futuristic weaponry. The first adventure will focus in a sparsely settled area of the Imperium called the Spinward Marches. The Marches are fertile ground for powerful adventures, literally surrounded with cultures often characterized as other than friendly.  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Treasure Trap

The Esmeralda's gold is just inches away, but it might as well be a mile. You need help, but only the slimy jellyfish have any friends in this algae-covered wreck. A poisonous stingray races at you and a hammerhead darts in from the left. Your air supply is running low and you can't find the key to the door that blocks your exit. Run, jump, and float through 100 multi-level rooms where you dodge crabs, eels, and octopi that won't give up without a battle. Solve unusual puzzles and figure out clever traps as you capture friendly fish,



pick up lost keys and search for tanks of air, being careful that the last words you hear aren't, 'Glub, Glub.' \$39.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## ◆ Treasures of the Savage Frontier

Long-awaited sequel to Gateway to the Savage Frontier. Your truly daunting mission is to save the Savage Frontier from a cataclysmic war, free Lorkh from its evil captors, and regain a powerful magical item lost since ancient times. Movement and combat are now affected by the unpredictable effects of weather. Players can have romances with NPCs. Combat reinforcement can sometimes give you extra help when you need it most. With the Savage Frontier teetering on the brink of all-out war, this feature will be put to good use. 1MB. Available September 1992. \$49.95  
*Strategic Simulations, Inc., distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## Trump Castle

Blackjack, roulette, craps, keno, and nine varieties of slot machines. \$39.95  
*Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040*

## Trump Castle II

Multi-player capabilities, digitized photos, animation and sound, plus a free Gaming Guide and resort discount offer make Trump Castle II, the ultimate casino gambling simulation. It offers six popular gambling games—Baccarat, Blackjack, Craps, Roulette, Video Poker, and Slots—each with realistic game play for up to four players. \$49.95  
*Capstone, A division of Intracorp, Inc., 14540 SW 136 St., Ste 204, Miami, FL 33186, (305) 252-9040*

## Tunnels of Armageddon

An extremely fast-paced futuristic action game. Strap yourself in the snugly-fitting cockpit as you warp your way through a network of futuristic underground tunnels in search of the doomsday device. Disarm the device in time or Earth is doomed. Pick up different weapons and support items on your way. Realistic first-person perspective to make you feel as if you're really flying through a tunnel. Make it to the end in time and you'll be written up in history books. Fail, and you'll be history. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## Turbo

Speed through cities, countrysides, and mountains in this road war game with continuous shooting excitement. With increasing levels of difficulty, Turbo has obstacles to hinder the driver, and road features to help him. \$24.95  
*Microlussions, P.O. Box 3475, Granada Hills, CA 91394, (310) 822-9200*

## Turrican

Travel over 1300 screens, meet 50 different aliens, three-way parallax scrolling! \$39.95  
*Innerprise Software, Inc., 1818 Potspring Road #30, Timonium, MD 21093, (410) 560-2434*

## Typhoon of Steel

Three theaters are covered in this tactical game: the Pacific, the Asian and the European. Practically every ground weapon used in those theaters is included—tanks, tank destroyers, machine guns, pillboxes, flamethrowers, etc. Choose to simulate single battles or an entire campaign. Each unit symbol represents either one tank/gun or a squad of infantry; each square of the 60x60 map, 50 yards. Tools are provided to let you create maps, troops, and missions. Requires 1MB. \$14.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525*

## U.S. Open Courses I

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Merion Golf Club, Winged Foot Golf Club, Bellerive Country Club, The Country Club of Brookline MA, and Shinnecock Hills, Long Island. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## U.S. Open Courses II

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Baltusrol (Springfield, NJ), Olympic Club (San Francisco), Medinah #3 (Illinois), Champions Golf Club (Houston), and Oak Hill (Rochester, NY), the 1989 site. Medinah hosted the 1990 open. No additional charge for foreign orders in U.S. dollars. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## UMS II

According to award-winning Ezra Sidra, the guiding principle in the development of UMS II has been 'let the player control everything including the level of control he wants.' UMS II is the most sophisticated Battle Strategy you'll ever use. From ancient battles of classic history to the wildest science fiction fantasies, UMS II lets you recreate them all with its unique 3-D graphics system. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## UMS: Nations at War

Simulates wars on a global scale, encompassing complete worlds and entire war campaigns, up to 127 nations, over 500 provinces and 32000 military units. Features controllable weather systems, naval, air, orbital, ground and supply units, attrition, taxation, unit production and more. Comes with Alexander the Great in 334 B.C., assault on Fortress Europe in 1944, and Napoleon in 1805. Requires 1MB minimum. \$39.95  
*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804, (319) 323-5293*

## UMS: The Universal Military Simulator

Simulates battles on a 3-D grid. Includes Gettysburg, Arbel, Hastings, Marston Moor and Waterloo. Includes ability to create armies, 3-D maps, and scenarios. Users can play each other or the computer. Battles can be viewed from eight directions at two levels of zoom, and units can be displayed in their immediate environment. Any army can be used with any scenario from history or the future. Requires 512K, 1MB for enhanced sound. \$25.00  
*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804, (319) 323-5293*

## Ultima III

Fantasy role playing. Defeat the evil wizard, using navigational strategies and ship-to-ship combat. Advanced dungeon graphics and full color visuals. One to four players and roster of up to 20 characters. Soundtrack with on/off sound toggle. \$39.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Ultima IV

Fantasy role playing. Become an Avatar and lead your people by demonstrating the virtues of Avatarhood. Hundreds of characters to interact with. Difficult challenges, ethical dilemmas. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Ultima Trilogy I-II-III

The complete Ultima adventures in one package that tells the captivating story of the struggles of Lord British's kingdoms with the forces of darkness—the Triad of Evil. Journey through The First Age of Darkness, confront The Revenge of the Enchantress and then face Exodus: Ultima III when the Great Earth Serpent awakens from a slumber of ages. Only a party of adventurers can save Sosaria. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Ultima V

Over four man-years in the making, Ultima V is the latest in the saga. Takes place in the extraordinary realm of Britannia, and features all new magic and combat systems. Lord British, benevolent sovereign of Britannia, has been lost on an expedition to explore the newly discovered underworld. Blackthorn has assumed the throne and imposed martial law to keep peace, but he is soon seduced by power and becomes a tyrannical dictator. Only you, the Avatar of Legend, can save the true King and end Blackthorn's reign of

terror. Full-length music soundtrack. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## ◆ Ultima VI—The False Prophet

Has many improvements over previous Amiga conversions. The player, as Avatar, must plunge into the dark recesses of the Underworld to learn why a race of Gargoyles is attacking Britannia above. Things are not always as they appear, and evil is not so easily defined. Along the way, Avatar can pick up and use practically anything, from weapons to magic runestones—even grind wheat to make bread. He can carry on complete, interactive conversations with all he meets in his quest for the truth. The storyline is like a book with dozens of final chapters. The outcome is totally dependent on decisions Avatar makes and the actions he takes. Fully hard drive installable with 1.3 ROM or higher. Requires 1MB with 420K minimum chip RAM free to support one disk drive. Each additional drive requires 30-45K additional chip RAM. May require memory upgrade kit from Commodore, sold separately. Recommended mouse and hard drive. \$69.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Uncle D's ConSOUNDtration

The ultimate game of concentration for children 4 & up. Match digitized sounds with colorful graphics. Requires no reading skills. Includes three databases: ABC's, 123's, and Pixs (animals, tools, environmental, etc.). \$29.95  
*AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633*

## Uncle D's ConSOUNDtration Data Disk #1

Additional games to be used with Uncle D's ConSOUNDtration. Includes commonly seen signs, states of the U.S., and more. \$24.95  
*AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633*

## Uninvited

An award-winning graphic adventure by ICOM Simulations. Spend an unusual day in a haunted mansion as you attempt to find your brother and uncover the eerie secrets of an eerie house. You don't want an invitation to this mansion! \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Universe 3

Animated role-playing adventure game. Set in the 24th century, you lead a diplomatic mission to Earth. Features a sophisticated mouse-based parser for rapid play. Also includes digitized sound effects. \$49.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032-3423, (203) 678-7679*

## ◆ Utopia - The Creation of a Nation

From Konami and Gremlin Graphics. Can the perfect society be created? Lead your colony to a barren planet and try to cultivate a flawless society. The quality of life rating must exceed 90 percent. Choose how to spend the money—on weapons, social research, hospitals—and still keep the population happy. Ten unique alien races continually challenge the survival of the perfect society. Isometric 3-D perspective. Available April 1992. \$49.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Vampire's Empire

Deep in the Transylvanian forest, in the depths of his underground lair, Count Dracula and his minions stir. Armed with your Magic Light, mirrors, and garlic, you must fight your way through the Vampire's Empire to battle the evil Count. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Vaxine

Fight your very own battle against the forces of biological destruction using your very own Vaxine. Eliminate the invading virus cells before they can join together to form lethal viral strings that are capable of choking the life from your key body cells. Go on the attack with your own color-coded antibodies, or use your DNA strands to strangle large clusters of alien invaders before they reach your brain and numb your senses

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# Entertainment

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forever. \$39.95

U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607

## Vegas Gambler

A realistic casino gambling simulation with stunning graphics and life-like sound. Features 4 popular games: Blackjack, Video Poker, Roulette, and Slots. Accurate odds and payoffs based on a famous Las Vegas casino. \$39.95  
California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340

## Video Vegas

Exciting casino action on your computer. Try your luck on slot machines, draw poker, Blackjack or Keno. Includes Blackjack card counting. Games look and play exactly like the real versions in Las Vegas. Offers fun for the beginner and challenges the pro. \$34.95  
Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888

## Vigilante

Nothing like a well-delivered flying kick to stop these bald-headed brutes. No pain, no dame! Better get a grip on your chako-sticks or you won't get your girl. Those scuzzy guttersnipes have resurfaced. This time they're wreaking havoc on your home turf and they've kidnapped your woman. There's no telling what they might do! Even the cops have copped out. It will be up to you to save her. As Vigilante, you must take the power into your own hands and stop these maniacal mohawks before it's too late. Only you can defeat the skinheads, deliver justice, and rescue your babe. Use your fists, feet, or nail 'em with your nunchucks, because these punks fight only one way—dirty! \$44.95  
Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## ◆ Viking Child

Introducing the Prophecy series, a trilogy of unique arcade action-style adventures. The hero Brian is featured in each volume during a separate stage of his life, starting with Brian as a child in the first release, Viking Child. Brian learns of his heroic destiny from the Wizard Odin, and sets out to rescue his family from the Evil God Loki. But first he must do battle with hundreds of strange villains, and defeat the eight apprentices of darkness. Sixteen challenging levels. \$49.95  
GameTek, 2999 N.E. 191 Street, N. Miami Beach, FL 33180, (305) 935-3995

## ● Vikings Fields of Conquest

A one-to-six player, 199 territory land conquest game. Beautifully detailed graphics and superb gameplay unmatched by any other Vikings style map game. Flotillas, armies, castles, catapults, and seven different troop types are available for your command in an attempt to become the sole ruler and King of England and save it from the Viking invasion. Requires 1MB RAM, and one drive. Vikings also uses the full power of the Amiga, and therefore uses 64-color Extra-Halfbrite mode. Hard drive installable. Fully compatible with AmigaDOS 2.0 as well as 1.2 and 1.3. \$59.99  
Realism Entertainment, 6 N 522 Pine, Bensenville, IL 60106, (708) 595-7487

## Volfied

Volfied is the most incredible, action-packed science fiction game to date. Volfied requires skill, strategy and extremely quick reflexes. It allows you to use your flying skills and put them into quick action, as you fight through 16 levels of challenging gameplay. The game is crammed with masses of enemies and hidden bonuses. Face Giant Crabs, Killer Ladybirds, Violent Insects, and the ever-changing massive Boss Alien as you pick up extra powers like lasers, power ups and time stops. Simple in concept, but incredibly addictive to play. \$39.95  
ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## Vortex by Visionary Limited

Man's misguided attempt to harness new sources of energy ripped a hole in the very fabric of space-time. Engulfing everything in its path, the resulting Vortex also acts as a gateway for antimatter aliens from another universe. Fight up to 32 en-

emies at once. Vibrant graphics, and smooth animation. \$39.95

Media Technology Limited, 1370 Picard Drive, Ste 120, Rockville, MD 20850, (301) 926-8300

## WILD STREETS

A supercop and a black panther team together in a high risk mission. A top CIA agent has been kidnapped, find him! You know that action and fighting are inevitable. You have been trained to accomplish the most dangerous missions. In a very special police academy, you learned how to master the world's most secret and lethal techniques of martial arts. Your 357 Magnum will be with you to help you, but your hands and feet are powerful and won't run out of ammo. Dropped from the chopper, you and the panther will explore the city slums to find the prisoner. Your mission is to find him and to bring him back to a safe place, while protecting him from the attacks of riff-rafs. \$44.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## War in Middle Earth

Fantasy role-playing war strategy, animated adventure game. Follow in the footsteps of Frodo, Aragorn, and Gandalf as they battle to get the ring to the Cracks of Doom. The Destiny of Middle Earth lies in the balance. Roam at will across the 36-screen scrolling map containing thousands of digitized locations as you control a cast of over 80 animated characters and armies. \$49.99  
Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## Wargame Construction Set

Design and play nearly limitless numbers of war games as simple or complex as you desire. Draw your map, placing roads, rivers, bridges, woods, buildings, and mines in any arrangement and scale you like. Fight four levels of combat, from man-to-man to large-scale strategic campaigns. Endow your fighting men/machines with different attributes such as unit type, weapon type and firepower, movement and strength points. Included are eight ready-to-play games. \$39.95  
Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## Warlock

You alone have been chosen to rescue the stolen Karna from the depths of darkness. Journey through 20 levels of ghoulish graveyards and creepy countryside to locate this precious jewel. Equipped with only your wits and your scepter, you'll do battle with as motley an assortment of critters as you've ever imagined! \$34.95  
Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Warlords

Warlords takes place in the fabled land of Illuria. An unconvincing peace treaty has just expired and eight strong empires now contend for power in a fight to the finish, only one can prevail. Starting from your home castle you must ruthlessly expand your territory and eliminate all other players. Requires 1MB RAM and two disk drives or a hard disk. \$50.00  
Strategic Studies Group, 8348 Monticello Drive, Pensacola, FL 32514, (904) 494-9373

## Wayne Gretzky Hockey

This riveting simulation is packed with all the strategy, excitement, and hard-hitting action we could squeeze into an Amiga. Actual digitized fight videos drop you right where the playing gets rough! Fully animated players, digitized stereo effects right from the rink, extensive player stats, variable speed instant replay lets you review the action in forward or reverse. \$49.95  
Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300

## Wayne Gretzky Hockey Data Disk

Includes 24 NHL teams with player names and numbers, 11 different player ratings and line combinations. \$19.95  
Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300

## Weird Dreams by Medalist International

Puts players into the subconscious mind of a hospital patient as he undergoes surgery. Here the player encounters giant wasps, carnivorous rose bushes, a psychopathic lawn mower, and a little girl who is not all sugar and spice. In confronting the many unusual challenges in Weird Dreams, the patient finds his health directly affected while he's on the operating table. Anyone claiming to have figured it all out will need more psychiatric help than the designers of the game. \$39.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Welltris™

This game challenges the player to manipulate falling shapes, consisting of various configurations of squares, into solid rows. Pieces appear randomly, one at a time, at the top of any side and slide to the bottom; as they fall, they may be rotated and moved from wall to wall. Earn the highest possible score by forming horizontal or vertical rows with no gaps. \$34.95  
Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (510) 522-3584

## Western European Tour

Our latest and hottest scenery disk available yet! To be used with all subLOGIC flight simulation products. Detailed scenery covering southern Great Britain, northern France, and southern West Germany. The basis of our fun 'Find Red Square' promotion. \$24.95  
subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983

## Western Front—The Liberation of Europe 1944-1945

Starting on May 17, 1944—just before D-Day—each turn represents four days of action in this grand strategic wargame. It contains the campaign game Overlord and three smaller scenarios: Breakout from Normandy; The Battle for Italy; and the Battle of the Bulge. You'll control every detail of the land and air war—all the way down to the individual infantry squads, gun tubes, and vehicles. Direct air operations that include interdiction, airlifts and strategic bombing. Pop-up windows easily allow you to review unit assets in detail. Call up vital data such as enemy controlled areas, supply levels, and unit readiness and experience. Here's your chance to play Eisenhower or Rommel—rewrite history! \$59.95  
Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Ste. 201, Sunnyvale, CA 94086-2901, (800) 245-4525

## Western Games

Package contains two disks and is played in the tradition of the wild wild West. Actually six great games rolled into one rootin'-tootin' contest. One or two players can compete in a series of wacky Olympic-style contests including: arm wrestling, beer shooting, cow milking, dancing, eating, and quid spitting??? Digitized sound and great animation! \$14.95  
DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733

## Where In the U.S.A. Is Carmen Sandiego?

Now she's out to steal the great treasures of the United States. As you travel, you'll learn about the geography, economy, and history of all 50 states plus the District of Columbia. Package includes Fodor's USA travel guide. You'll work your way up through ten detective ranks. Also available in school edition. \$49.95  
Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## Where in Europe is Carmen Sandiego?

Carmen strikes again! This time it's the 34 nations of Europe. To help you decipher the clues you uncover, you'll have the Rand McNally Concise Atlas of Europe, plus an on-screen fact-finder's Database and Crimestopper's notebook. \$49.95  
Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## Where in Time is Carmen Sandiego?

This exciting detective chase game highlights leading people, events, and inventions of the past 1,500 years. Carmen takes a time machine that allows her and her cohorts to transport themselves back in time from 400 A.D. to the 1950's. As

a result, the ex-spy has greatly expanded her area of operations. Carmen dispatches her henchmen to Spain in 1492 to take Queen Isabella's jewels, and orders them to England in 1215 to snatch the Magna Carta. The player takes the part of a detective who has been assigned the task of rounding up the far-roaming renegades. Question witnesses and gather clues in 12 different countries and four different time periods. \$49.95

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## Where in the World is Carmen Sandiego?

Players are introduced to world geography. Carmen and her notorious band of thieves are on a worldwide crime spree. Using your crime computer at the Acme Detective Agency, you'll gather facts before embarking on an international chase through the beautiful capitals of the world. \$49.95

Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## White Death

A WWII Eastern Front battle simulation with full color graphics and digitized sound. Includes very sophisticated computer opponent, six scenarios, weather, bunkers, tank fright, morale, rail movement, commandos, rockets, artillery spotting, play by telephone. Requires 1MB. \$49.95

R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399

## Who Framed Roger Rabbit?

A graphic cross between an arcade game and an adventure game. The story moves through different levels. Objective: Save Toon Town by racing the Weasels through Los Angeles to get to the gag factory and save Jessica from the evil Judge Doom. Move through three sequences: driving with Benny the Cabdriver, clearing tables at the Ink and Paint Club, and outsmarting the Weasels at the Gag Factory. If time runs out, Judge Doom gets Jessica! \$14.95

Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360

## Wild Wheels

From Ocean Software. One of the wackiest football games ever. Players are road cars transformed into customized monsters. In the opening decade of the 21st century the rapidly declining oil resources have turned society towards electric and solar-powered cars. The thousands of discarded petrol-engined cars are used in a game of brutal car-to-car combat. The opposition has one goal in mind—to blast you into a million white-hot bits of shrapnel. There are five leagues to challenge you and a 1000-point head start. Each contest takes place within a magno-surfaced arena. Every new competitor is provided with a basic team of Shrimp cars, and takes the position of Striker. When a Strike car of either team is fully destroyed, the side with the Surviving Strike has won the round. As more rounds are won, accumulated points can be used for more power, a better equipped car, and protection. Requires A500, 1000, 2000; 512K, Kickstart 1.2 or 1.3, color monitor, joystick. \$49.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Willow

Relive the excitement of the movie in this exciting adventure. Overthrow the evil Queen Bavmorda in this graphically-impressive game, which includes seven separate adventures. \$39.95

MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## Windwalker

Lightening-fast martial arts action combined with extensive role-playing. Encounter a variety of colorful characters in palaces, monasteries, pagodas, and countryside located throughout multiple regions. Explore the culture, personalities and events of the ancient Orient. Animated combat sequences with authentically-depicted gymnastic and acrobatic movements. Features hundreds of characters including merchants, alchemists, villagers, and farmers. \$39.95

Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490

## Wings of Fury

Pilot an F6F Hellcat fighter/bomber through a series of bombing and fleet defense missions over the Pacific. The mission may call for destroying enemy bunkers and machine-gun nests. Or, the pilot might have to brave a storm of fire as he attacks enemy warships. Features include colorful animation and graphics, digitized sound effects for bombs, gunfire, airplane engines, and save game option. \$39.95

Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## WolfPack

Unlike most combat simulations, WolfPack lets the player choose sides, and decide which role to play: either a German wolf pack commander or an Allied naval officer commanding a surface fleet. As an Allied commanding officer, the player may choose to command a destroyer, a tanker, or a freighter. Battle the computer or challenge a friend. Twelve easy-to-understand scenarios of various difficulty level. The scenarios cover the years from 1939 to 1945. Atlantic sea battles in five of the war's hottest battle zones include the Atlantic Gap, Gibraltar, and Scapa Flow. A detailed mission-construction set lets players create their own scenarios. \$54.95

Broderbund Software Inc., 500 Redwood Blvd., P.O. Box 6121, Novato, CA 94948-6121, (800) 521-6263

## Wonderland

Wonderland draws you into the bizarre logic of Lewis Carroll's spellbinding imagination. You will meet all the main characters from the book: the Mad Hatter and the March Hare at their everlasting tea party, the giant caterpillar, the Queen of Hearts, and more. You will be confronted by puzzles, puns and conundrums, potions and mushrooms, a giant puppy and a miniature tunnel, and challenges enough to keep you within Wonderland's perplexing and magical domains for hours. \$59.99

Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## WordHai

WordHai is a simple, addictive, word puzzle game. Now over 100,000 copies sold worldwide. \$27.95

Mica, 2845-140th Ave NE, Bellevue, WA 98005, (206) 883 2876

## World Class Leader Board

Update to Leader Board \$44.95

Access Software, Inc., 4910 Amelia Earhart Drive, Salt Lake City, UT 84116-2837, (800) 800-4880

## World Class Soccer

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## World Snooker

Enjoy pool, billiards, and snooker played five different ways from around the world. Great graphics and logical lay-out make it easy to use and fun to play. Zoom-in for precision, play in a practice mode, challenge six different levels against the computer. \$24.95

Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573

## Worlds At War

A game of planetary conquest similar to Empire. Simple in concept, it can be played in an hour as a small tactical study with the flavor of a chess game; or for a weekend, as a campaign game with vast regions of territory to explore. Pieces represent Base Planets, Neutral Planets, Bombers, Missiles, Scouts, and Marine Landing Craft. \$49.95

R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399

## Wrath of the Demon

Wrath of the Demon combines state of the art multi-level parallax scrolling with spectacular graphics, animation and playability to bring you what is sure to be one of this year's hottest graphic

adventures. You are on a quest to rid the kingdom of an evil Demon and his minions, rescue the princess and restore honor to your King. Your quest will lead you through caves, swamps, temples, and castles before reaching your ultimate challenge...the Demon himself. Wrath of the Demon contains over 3MB of graphics data, 600 screens of action, 1400 frames of animation, more than 100 colors on screen and over 100 monsters, some larger than half the screen. \$49.95

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## XIPHOS

A futuristic space odyssey that combines fast-paced arcade action and sophisticated 3-D flight simulation and strategic adventure in one package. In arcade mode, you are presented an incredibly challenging array of enemy ships with scouts, fighters, cruisers, mother ships, and star bases darting into play. You arm and fire beam and particle weapons, homing and straight-line missiles, and tractor beams while using your compass, and radar displays to keep track of enemy ships. \$39.95

Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031

## Xenophobe by Medalist International

Classic arcade game of alien extermination. A combination of fast and furious action, high-tech weaponry and detailed, often amusing graphics. Xenophobe puts you in command of three rag-tag squads of scientist and soldiers to reclaim abandoned space stations from alien invaders. Aliens are everywhere in the game and they don't feel like negotiating. From a squad of nine men, the player selects the two best personalities to handle each mission. They then face a continuous wave of strange creatures with names like Roller Baby, Snottpillar, and Tentacle each having its own special way of knocking out human attackers. Soldiers fight back with a smoke gun, laser pistol, lightning rifle, and hand grenades. \$39.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Zak McKracken And The Alien Mindbenders

Reporter Zak McKracken and two Yale coeds uncover an alien plot to stupefy all mankind. With this game, you'll enjoy cunning clues and hip humor as you track the mystery to the exotic corners of the Earth and beyond. Off-the-wall clues and fast point-and-click action keep the fun moving. \$44.95

Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927

## Zany Golf

Players maneuver their ball through flashing lights and crazy music in the Pinball Hole; putt under a jumping burger in the Hamburger Hole; and dart laser beams, particle rays and transporter pads in the Energy Hole. The imagination is unleashed in holes featuring moving walls, magic carpets, a castle, and a hole with a mind of its own. \$19.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Zero Gravity

You're on a journey of discovery into the farthest reaches of the universe, charting new courses into the unknown. Because space travel can get monotonous, what can you do? Play Zero Gravity, space age racquetball. You're on one side of the cargo bay in a weightless atmosphere. Use your paddle to hit the red and white ball off the panels to trick your opponent. You use the top half of the screen; your opponent uses the bottom. \$19.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## Zorc Zero

Pre-Zorc times (before Zorc I, II, or III). Save the universe from the evil wizard. Interactive adventure game. Puzzle-intensive. Light-hearted universe, just as in Zorc I, II, and III. \$19.95

Infocom, Division of Activision, 11440 San Vicente Blvd., Ste 300, Los Angeles, CA 90049, (310) 207-4500

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## ❖ MISCELLANEOUS SOFTWARE ❖ GENERAL

### ◆ Europe 1992

An interactive HyperText introduction to and overview of the European community—its members, policies, institutions, functions, trends and concerns. Includes comparisons with its main competitors. Features include 38 interactive pages, over 20 maps, over 20 charts, 12+ tables and flow charts, sophisticated cross-references, and Glossary/Index features. Comes with free European Parliament Information folder including wall charts and maps. \$30.00  
*Think Limited, Prudential Buildings, 46C High Street, Edingdon, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168*

### I Ching

The I Ching holds the wisdom gathered over many thousands of years and is the oldest system of prophecy in the world. The knowledge you desire can be as specific as whether you should accept a job, or as general as what the I Ching feels you need to know at this moment in your life. The setting is a tea house on a quiet pond. The old woman there is blunt and even crude at times. She has a long memory and expects you to listen carefully to what she tells you. \$29.95  
*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

### Merlin

An apprenticeship in the OldWay/shamanic tradition. Your journey begins in the Underworld where three nice ladies will help you burn away fear and hatred, and increase joy, love, and responsibility in your life. The journey is long and difficult, and at the end, the old woman and Merlin will take you to the top of a great mountain. There, in the early morning light, you will become aware of all that you have always been. \$29.95  
*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

### Midnight Sounds

Midnight Sounds is a collection of IFF sampled sounds, suitable for use by programmers or hobbyists. \$29.95  
*Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449*

### The Magic Mirror

A toolbox for your mind. Many ideas and strategies are given to help you create a deeper understanding of the many forces affecting your life. If

you like what you find, no problem; if not, you change, using the powerful techniques found here. The program keeps track of your progress. \$39.95  
*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

### The Magic Mountain

A strange, weird world on the Sacred Mountain. Essentially, the program is an apprenticeship in the shamanic tradition using the dramatic setting of the mountain. Not for the young or timid. The program is for those who glory in the power of their own minds to create themselves and the worlds around them. Male or Female version \$29.95 each, \$39.95 for both.  
*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## ❖ ❖ ❖ AMATEUR RADIO ❖ ❖ ❖

### AMIGATrak

AMIGATrak is a tracking program for Earth-orbiting satellites. Quick and easy to use, the program provides the satellite's location on a world map with time, longitude, phase, beacon frequency, plus azimuth and elevation bearings when the satellite is in range. Voice readout is available and routines for scheduling, hardcopy, etc. are included. \$24.00  
*NH Enterprises, 22104 66th Avenue West, Mountlake Terrace, WA 98043, (206) 774-7440*

### Amateur Radio Disks

User-written ham radio public domain and shareware software collection. Send SASE requesting Amiga catalog. \$4.00  
*Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646*

### ● Logic II

Comprehensive ham radio package. All the features of Logic Jr. plus: Radio interfacing, logs mode, frequency and band. Control radio with full-screen memory display. Antenna rotor control. Auto duping and scoring from nearly any contest, with online multiplier display. Powerful menu-driven report writer. Design your own printouts, labels, QSL cards, or those included with Logic. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$79.00  
*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887*

### ● Logic Jr.

Comprehensive ham radio package. Logging, on-line awards tracking, QSL management. Prints log reports, awards progress reports, beam headings. QSL cards and labels. Customizable screen, auto display of DX/direction, user-defined fields, easy data retrieval, up to 20 pages of notes per QSO, superb documentation and support. DXing, nets, paper chasing, rag chewing. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$39.00  
*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887*

### ◆ Scan Version 2

A combination of hardware and software that allows any Amiga to control ICOM radio receivers supporting ICOM's CI-V port. Scan allows fully automated scanning, logging, and receiver control, providing a scanning speed of over 2,000 channels per minute. Scan displays all activity in high resolution graphics and may generate speech for hit information. Scan may also control a tape recorder for hits, selectable by channel. A version is also available to control two ICOM radios with a single interface. NTSC/PAL. Workbench 1.3 or 2.0 compatible. Requires 1MB. State if for the

A1000. Single radio: \$149, dual radio: \$199, demo and manual: \$15.00.  
*Future Scanning Systems, P.O. Box 654, Bartlesville, OK 74005, (918) 333-7474*

### ◆ The Code Machine

For the beginner or those who wish to improve their copy and speed. With on-screen controls you can set: pitch, character speed 1-99, character spacing (same as speed or less), character groups 1-9, numbers, alphabet, punctuation, or all. Copy Hide/Show, Keyboard Copy/Paper Copy/Arcade, Random Char/Words, Send/Stop. (Arcade is animated copy mode for the younger set.) Requires A500/1000/2000, 0.5MB, Version 1.2-1.3. Kickstart, one drive.. \$29.95  
*BSM Software, 405 East Third Street, Willow Springs, MO 65793*

## ❖ ARTIFICIAL INTELLIGENCE ❖

### ● NeuroPro

Neural network artificial intelligence system. Uses 3-layer back-propagation neural network algorithm to automatically learn pattern recognition and stimulus-response relations. Up to 192 neurons, 8192 interconnections. Load/save network arrays, input patterns, output patterns (examples on disk). Built-in automatic support for math coprocessor. High speed assembly language; modifies 2000 to 20,000 connections per second. AmigaDOS 1.2-2.0 compatible. \$4 shipping. \$89.95  
*MegameM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

Please see display ad page 154.

## ❖ AUTHORING SYSTEMS ❖

### AmigaVision AS250

AmigaVision is specially designed to unlock the power and unique multimedia capabilities of the Commodore Amiga® personal computer. This versatile multimedia authoring system is an invaluable software tool that assists you in combining video, animation, graphics, text, and sound into dynamic presentations, and applications. Computer-based training, exhibits and trade show displays, interactive video, video catalogs, business presentations, 3-D simulations, information kiosks, audio/visual productions, point-of-sale systems, and scores of other applications. \$149.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ AmigaVision AS250

Upgraded version has ability to chain applications together with simple icon control; an upgraded standard music file with support for temp, dynamics, and chords; and new drivers for laserdisc players and the NEC PC VCR. Additional peripherals can be driven from the serial port. Expression editor contains six new functions. \$149.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### CASA™

CASA is a case tool that generates fully commented C code from a Viva II icon file. You can then compile and run the file. Library source code available. Requires 1MB. \$199.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

### CanDo Intro Pak

This tutorial-intensive package is designed for getting new CanDo users up to speed as quickly as possible. Included are seven CanDo decks on disk and a large manual describing how they were made in close, step-by-step detail. Information on installation, tool-type settings, technical topics, and script-writing in general will make any CanDo user a CanDo expert. \$39.95

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# Miscellaneous Software

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Product Index by Vendor
Category Index
Last Minute Additions

INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

## CanDo Pro Pak 1

The first companion product to CanDo, Pro Pak 1 contains some amazing examples of CanDo-generated programs, called 'decks,'—including freely redistributable IFF resources—along with insights on how they were created. Also included are utilities and extensions to CanDo itself, for making the applications authoring system more powerful than ever. \$39.95

INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

## CanDo v1.5

CanDo, the most powerful interactive audio-visual applications authoring system available, allows any Amiga user to create standalone software applications that take advantage of virtually all of the Amiga's outstanding capabilities. AmigaDOS 2.0/A3000 compatible. New features in version 1.5: Database Functions, Multiple Screens and Windows, Floating Point Math, and much more. Upgrade available for \$40. \$149.95

INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991

## CyberScape

Interactive music and video performances. Virtual reality constructions and hypermedia presentations. Interactive video games. Event triggering timed sequences. Graphics: supports four resolutions and overscan, cell animation, color transitions, and loads IFF pictures and brushes. Sound: outputs MIDI events, plays IFF sampled sound, plays synthesized speech. Supports ARexx messages, serial and parallel outputs. NTSC only. Requires Workbench 1.3 or later. \$245.00

Tensor Productions, 819 Guyne Avenue, Santa Barbara, CA 93111, (805) 683-2165

## Foundation

Foundation, published by Impulse, programmed by Intuitive Technologies, is the ultimate expert system for end users to gain complete control over their Amiga computer system, enabling them to create applications and interactive presentations without prior programming knowledge. The authoring software comes with a freely-redistributed run-time player, allowing stackware created with Foundation to be distributed to all Amiga owners, even those who don't own Foundation. The system fully exploits ARexx and the Amiga's multitasking power. Foundation stacks are 2.0 and CDTV-compatible. \$250.00

Impulse, Inc., 8416 Xerxes Avenue North, Brooklyn Park, MN 55444, (612) 425-0557

## Interactor

An animation design system which combines the power of hypermedia with the excitement of desktop video to let you create interactive visual databases for free-association browsing, information retrieval, and education. Interactor turns your Amiga into a hypertextual desktop presentation environment which integrates graphics, sounds, and a text into an interactive, randomly-accessible hierarchy of information of your own design. Furthermore, Interactor is fast and easy to use with an innovative, intuitive interface built for productivity. \$149.00

Very Vivid, Inc., P.O. Box 127 Station B, Toronto, Canada M5T-2T3, (416) 340-9290

## Mandala® Virtual World Authoring Software

Vivid's Mandala® VR System is a unique multimedia virtual world technology which pulls your image into the computer using a real time video digitizer and camera, giving you hands-free interactive control of multilevel, multistate animations that you view on any video display. You don't have to wear, touch, or hold anything. Just reach out and, through 'video gesture,' trigger visible or invisible icons to bodypaint, scorepoints, manipulate animations, or play music. The software is an authoring package allowing you to create your own interactive virtual environments. Version 2.0. Compatible with A500/1000/2000/3000. Requires 1MB, A-Squared Live! Video Digitizer board, video camera. Optional hardware: MIDI synthesizer, laser disc player, genlock, chroma keyer. NTSC: \$595, PAL: \$795.

Vivid, Inc., 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9, (416) 340-9290

## Multi-Media—Interactive Training

KBI Systems specializes in the economical development and custom design of Interactive Multi-Media hardware for training in industry and education. KBI will assist you in the design and production of your courseware, mastering of CD and Laser Disc, and the configuration of authoring stations and delivery platforms.

KBI, Systems, 177 Mill Lane, Mountainside, NJ 07092, (800) 524-0610

## THE ELECTRONIC BOOK

A basic picture/text organizer that gives you a format for presenting your pictures and writings to other Amiga owners by using mouse clicks. You'll be able to rapidly show all picture formats and quickly read your documents using this system. Digital Arts/257 \$25.00

Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776

## The Context Bible

New International Version. Add virtually unlimited notes after any verse (show or hide in levels of outline). Instant look-up of cross-references. Underline, italicize, bold, color, and link the Bible, commentaries (several included), sermons, diagrams, outlines, and a topic file. Search for words and phrases. Import, export, and print. NTSC/PAL, all Amiga keymaps and fonts. 1MB RAM and hard drive recommended. \$150 including Thinker (hypertext, word/outline processor, database). Free demo disk, VHS videotape \$10. 30-day warranty. AmigaDOS 1.2-2.0 compatible. Mark Sims, 2 Pygmalion Place, Hamilton, New Zealand (64-07-8476-378) dist. for Australia and New Zealand. Order direct from: Neuralink, P.O. Box 16311, Lubbock, TX 79490, (806) 793-0423

## Thinker 2.1

Thinker 2.1 is a sophisticated Hypertext system that combines word processing and outline processing with hypertext. Its editing, outline, and database capabilities make it an excellent tool for creative writing, online documentation, planning and design, small business databases, and computer-aided education. Documents containing multi-styled and multi-colored text and images link to other documents, pictures, and applications. Click on a word or phrase and check a reference, view a picture, or launch a Workbench or CLI application and control it with ARexx. \$80.00

Poor Person Software, 3721 Starr King Circle, Palo Alto, CA 94306, (415) 493-7234

## Twenty/Twenty Vision

Twenty/Twenty Vision is a step-by-step tutorial that makes it easy to learn the process of creating presentations and applications using AmigaVision. This package gives you all that is needed to build five useful applications. As you work through the progressively detailed tutorials, you will become familiar with many of the terms, icons, and procedures needed to use this effective multi-media tool. Starting with a simple presentation Slide Show and working up to a Database application, you will limit yourself only by your imagination as you decide what to create next. Requires AmigaVision. \$49.95

The BCS Group, Distributed by Vertical, Inc., 1411 LeMay #406, Carrollton, TX 75007, (214) 466-0048

## VIVA (Visual Interfaced Video Authoring)

A hypermedia authoring environment for the Amiga user. VIVA lets you create, manage, and display information. Control text, graphics, video, color, and animation. Also controls video recorders, laser videodisk players, and a full range of visual media devices. Use as stand-alone interactive environment or an information-dispensing system. Icon-driven program is very easy to use. It combines a graphical user interface, easy editing, graphics libraries, custom fonts, a speech module, and many more features. With the visual construction set represented by icons, anyone can create a personalized application at the click of a mouse. \$99.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## VIVA II

An object-oriented, multimedia, application development environment. Interactive presentations, instructional applications, games, or media databases are created easily by selecting icons representing the routine desired. \$199.95

Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826

## ◆◆◆ CALENDARS ◆◆◆

### GIRLS: Impressions of the Riviera

Pin-up calendar on disk. Sixteen tastefully rendered pin-ups, plus clock/memory reminder, and five macro keys. \$24.95

Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110, (201) 661-0408

## ◆◆◆ COOKING ◆◆◆

### ACE/Automated Catering Environment

ACE v3.0 comes with 140 professional catering recipes and also includes The Celebrity Cookbook, Vol.1. The program combines a smart database, word processing, and spreadsheet package in one program module. Recipes may be resized from one to 9,999 servings using both American and metric measures. The word processor database expands to the user's memory and can hold files over 100 pages in length. Features include wordwrap, margin settings, address or index card printing (labels), search/replace, margin settings, cut and paste and full disk search of file contents. ACE contains 16 expandable food groups and six expandable wine guides. It also includes on disk instructions with multiple help screens, an import and export module, and the ability to print multiple copies, ingredient lists, stock summaries, address labels or index cards; stores one year of sales. Available for the all Amiga systems. Requires 1MB. Also supports AmigaDOS 2.0. \$79.95

USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-9060

### Celebrity Cookbook With Expandable Recipe Filer Version 3.1

The cookbook contains two modules. The first loads and displays celebrity recipes, diets, wines, party tips, personality guest traits, and also contains a bar and wine guide. The second module is a smart database word processing package for entering and retrieving recipes or files typed by the user. All recipes resize from one to 999 servings supporting both American and metric measures. All recipes print to Amiga compatible printers. Version 3.1 is for 1MB or greater systems, but also contains version 2.0 for the 512K systems. It also includes 100 celebrity and catering style recipes. The v3.1 program combines both a smart database and word processing package in a single program module. Recipes may be viewed in 40 or 80 columns, resized from one to 999 servings, and converted from American to metric and metric to American measures. The word processor/database holds up to 12 full pages of text at one time and features full wordwrap, margin settings, cut and paste, and search and replace. The cookbook contains 16 individual food categories and six wine guides, supports American and metric measures, pricing, and provides for full disk search of ingredients or recipe text contents. All recipes will print the entire recipe or just ingredients. Also supports resizing of multiple recipe files. Available for All Amiga systems. Also supports DOS 2.0. Requires 1MB. \$39.99

USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-9060

### Desserts Cookbook

You'll enjoy over 150 tantalizing mouth-watering desserts including an extensive assortment of types from puddings to elegant cakes, from frozen sorbets to fancy cookies. Available in two versions—Home (Standard): directions and unit amounts edited for home cooking; and Quantity: edited for institutional style cooking with a yield of 50 servings. \$14.95

Meguido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666



# Miscellaneous Software

## ● Recipe-Fax 2.0

A complete recipe creation/editing environment. Including allowance for individual editing and/or rearrangement for ingredients and amounts, and for procedures. But that's only the beginning. Recipe-Fax has a powerful recipe list processor to facilitate serving size adjustments, Metric/US unit conversion, shopping list creation and more. Recipes can be printed using a choice of forms. AmigaDOS 2.0 compatible. \$44.95  
Megiddo Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666

## ◆◆ Recipe-FaxNFX

A special, nutritionally enhanced version of Recipe-Fax 2.0, integrating Nutri-Fax's nutritional analysis into Recipe-Fax's easy-to-use recipe creation/editing and processing environment. Adds nutritional analysis of recipes and a user expandable, integrated ingredient database utilizing food items from USDA Handbook 8. Requires 1MB, AmigaDOS 2.0 compatible. \$74.95  
Megiddo Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666

## ● The Great Recipes of Italy with Expandable Recipe File

The cookbook comes with 160 Italian recipes. The program combines both a smart database and word processing package in a single program module. Recipes may be viewed in 40 or 80 columns, resized from one to 999 servings, and converted from American to metric or metric to American measures. The word processor/database holds up to 12 full pages of text at one time and features full wordwrap, margin settings, cut and paste, and search and replace. The cookbook contains 16 individual food categories and six wine guides, supports American and metric measures, pricing, and provides for full disk search of ingredients or recipe text contents. All recipes will print the entire recipe or just ingredients. Also supports resizing of multiple recipe files. Available for all Amiga systems. Requires 1MB. Also supports DOS 2.0. \$39.95  
USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-9060

## Variety Cookbook

Over 150 scrumptious, tasty recipes from several food categories encompassing beverages, breads, breakfast, desserts, entrees, salads, sandwiches, sauces, soups, vegetables, and miscellaneous. Available in two versions—Home (Standard): Directions and unit amounts edited for home cooking; and Quantity: Edited for institutional style cooking with a yield of 50 servings. \$14.95  
Megiddo Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666

## ◆◆◆ DISK CATALOGS ◆◆◆

### 80 Track Public Domain Catalog Disk

We have over 2200 disks from all over the world, over 12,000 programs to choose from. We also have a large collection of European disks with demos. Our disks are \$4.00 each. Call for volume pricing and our new subscription pricing. \$4.00  
80 Track Software, P.O. Box 309, Oceanside, NY 11572, (516) 678-9631

### ● CATFISH: Fred Fish Disk Library Cross-Reference

A complete cross-referenced catalog of the entire Fred Fish Public Domain Library in a user-friendly (mouse-only) disk format. Contains three major sections giving file names and disk numbers in information: 1) all files cross-referenced by a subject catalog with over 130 subject entries in a two-level format, 2) all files ordered alphabetically with most recent versions listed first, and 3) all disk CONTENTS files included. WB 2.0 only files uniquely identified. Currently contains over 610 disks and 3,000 files. Updated for each new block of 50 disks. No additional files are required for use. Compatible with all Amiga machines, WB 1.2, 2.0, and NTSC/PAL formats. \$10.00  
ASCITEC, Amiga Science and Tech Users' Group, P.O. Box 201, Los Altos, CA 94023-0201, (415) 960-9399

## MAGDEX

A memory based index of eleven Amiga specific magazines. Over 4300 entries including author, title, category, type, and comments. Rapid search, including wild carding. \$10.00  
Selectronics Inc., 5147 S. 37th Street, Lincoln, NE 68516, (402) 423-3856

## MegaDisc Catalogue on Disk

Full catalog on disk lists thousands of public domain disks and other products available from MegaDisc. Free.  
MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065, (011) 612-959-3692

## PUBDEX

A memory-based index of more than 3700 Amiga Public Domain Programs, including the first 200 Fred Fish Disks. Each entry contains name, author, size, version, category, source, and comments. \$10.00  
Selectronics Inc., 5147 S. 37th Street, Lincoln, NE 68516, (402) 423-3856

## Public Domain & Shareware Collections

Public Domain and Shareware collected by category and grouped by specific areas of interest. Disks packaged with complete Workbench and CLI access for ease of use by both novice and expert users. Each disk contains complete author's documentation. Call for instant AMIGA-HELP at (415) 593-1207. Single disk \$6, five or more disks \$5.  
Premier Software, P.O. Box 3782, Redwood City, CA 94064, (415) 593-1207

## ◆◆◆ DISK MAGAZINES ◆◆◆

### ◆ Amiga Hoy Internacional

(Translated Amiga Today International) is a monthly magazine in Spanish produced in Costa Rica and distributed in Latin America and Spain. Each month you can find the latest news, reviews, tutorials, and information about the Amiga and the CDTV. Bienvenido! Apartado 4759-1000, San Jose, Costa Rica. International subscription: \$40.00 (first class air mail shipping). Sample issue: \$5.00 (includes shipping). \$40.00  
Amiga Hoy Internacional, Interlink 143, P.O. Box 526770, Miami, FL 33152, (506) 25-5870

### Dada Tennis

Dada Tennis: not your same, old surrealist dada magazine! The alternate reality of ideas! Mystifying graphics, uncomfortable sounds, and painfully funny literate writing that will defy any "logical" explanation! Your hip ticket into the sweaty truth—\$10.00 per issue.  
Dream State Press, P.O. Box 10, Woodhaven, NY 11421, (718) 849-7672

### Electric Thesaurus

The Electric Thesaurus utilizes Roget's II Electronic Thesaurus database and search engine. It contains over 500,000 synonyms, and offers concise definitions for each meaning of a queried word. Each definition includes its part of speech and a list of accurate synonyms in their properly inflected forms. AREXX port with over 15 commands along with the ability to send scripts to other programs, plus Clipboard Device support provides Thesaurus functionality to programs that do not have a Thesaurus. Works with both Workbench 1.3 and 2.0, requires at least 512K and one disk drive. Use of a hard disk is strongly recommended. \$49.95  
SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

### Enchanted Realms

Enchanted Realms, The Premier Adventure Game Journal, is a bimonthly paper journal and disk publication devoted exclusively to adventure gaming. The journal contains reviews of commercial adventures, walkthroughs and hints, articles pertaining to adventure gaming and regular columns. The disk provides adventure games, character editors, and additional helps. One-year, six-issue subscriptions are \$49.95 with disk and \$39.95 without disk. Amiga and MS-DOS available. Please specify. \$49.95  
Digital Expressions, P.O. Box 33656, Cleveland, OH 44133, (216) 582 0910

## Graphics Palette Disk Magazine

A three-disk set, produced bi-monthly. Each issue is packed with the latest software/hardware reviews, hints and tips, animated tutorials, DTV-related articles, helpful utilities, and is designed to be as informative, entertaining, and user-friendly as possible, supplying a wealth of information to the beginner, as well as the hardened Amiga desktop-video user. Rate: 12 month subscription \$130. U.S.  
Nodette Enterprises Pty., Ltd., P.O. Box 584, Box Hill, Vic 3128, Australia, (613) 808-7036

## Jumpdisk

A monthly disk-based magazine for the Amiga. Rates are 12 mos. \$66.00; 6 mos. \$37.00; 3 mos. \$20.00; single issue, \$9.00. \$9.00  
Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926, (916) 343-7658

## MegaDisc Info Resource

An information resource on disk, designed to help users become more productive with their Amigas. Contains tutorials, articles, reviews, programs, hints, advice, and much more. Released every two months; subscriptions available. \$19.95  
MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065, (011) 612-959-3692

## POINT & CLICK

Point & Click pulls no punches. When we spot a lemon, we pucker. We're bold, we're blunt, and we're honest. It's time to escape the world of fluff and discover the substance you've been missing. Our editorial content will greatly enhance your buying decisions. Our tutorials will give you the edge. Each volume showcases favorites from our public domain archives. \$8.95 per copy. \$8.95  
Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## Ready Robot Club Monthly Disk

For families with kids 5 to 12. Any Amiga 1.2, 1.3, 2.0. NTSC and PAL. 1.4MB of educational fun every month. No P.D. or Shareware. All original programs, graphics, sound. Three easy mouse-operated menus. Global speech toggle. Stories, Field trips, Science experiments, Music, Projects, Reviews, Parents' corner, Space update, Vocabulary and more. Games/tests: Memory concentration, Picture puzzle, Connect numbers, Maze, Find the words, Slider puzzle, jokes, and riddles. Access to software for specific age groups. USA: \$36/6mo., \$65/12mos. Canada: \$40/6mos., \$73/12mos. Others: \$44/6mos., \$81/12mos. Single sample disk \$10.00.  
Signs Etc. by D. Knox, P.O. Box 628, Carmichael, CA 95609, (800) 634-2952 orders  
Please see display ad page 25.

## S.P.O.C. DIGEST

Newsletter/Demo/Disk Magazine. Contains much more than ordinary disk magazines. News, ideas, articles, and free programs from S.P.O.C. entertainment package. \$6.00  
S.P.O.C., 299 Old Highway 69, Kiowa, OK 74553, (918) 432-5774

## ◆◆◆ FORTUNE TELLING ◆◆◆

### Astrology

A sophisticated program with beautiful hi-res graphics, delivering serious insight to natal chart preparation and interpretation. Birth date, time, and location can be used to produce colorful natal charts showing precise planetary locations within the houses, signs, and major aspects of the astrological system in less than two seconds. The natal graphical image can be printed utilizing any paint program supporting 16-color hi-res or black and white. Also includes interpretation on two disks. \$39.95  
Mystic Software, 706 Richards Drive, Mountain Grove, MO 65711, (417) 926-3266

### I Ching

The I Ching holds the wisdom gathered over many thousands of years and is the oldest system of prophecy in the world. The knowledge you desire can be as specific as whether you should accept a job, or as general as what the I Ching feels you need to know at this moment in your life. The setting is a tea house on a quiet pond. The old woman there is blunt and even crude at times. She

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has a long memory and expects you to listen carefully to what she tells you. \$29.95  
*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## ◆ Rune Sight v 1.0

Rune Sight is a traditional oracle system based on the ancient runic alphabet, considered magic by the Viking people. The word rune is derived from the Gothic runa; meaning mystery. As you cast the rune stones, Rune Sight is sensitive to the moment you choose, and five stones are then selected—each representing a station of importance to the querant. A complete interpretation is provided for the meaning of every rune in each station. The interpretation may be displayed or printed. Through the interpretation, Rune Sight provides insight into oracle systems, the conscious, and the subconscious mind. NTSC only. \$29.95  
*BRESC Software, P.O. Box 9873, Springfield, MO 65802-9873, (417) 831-4005*

## The Tarot Master

The Tarot Master is the first animated fortune-telling program for the Amiga. Users may receive three- or 10-card readings for any question they choose to ask of the mystic Tarot. The Tarot Master also instructs users in becoming Tarot readers. Three- and ten-card spread readings as well as all 78 card definitions are taught to those who wish to see the future. The Tarot comes to life with exciting animation sequences for all 22 Major Arcana cards. Each animation is designed to impart the meaning of each card into the user's memory. \$24.95  
*Empire Graphics, P.O. Box 964, Union, NJ 07083, (908) 964-7864*

## ◆ ◆ ◆ GAMBLING ◆ ◆ ◆

### Professional Lottery Systems

Keeps track of lottery numbers in all states, figures frequency distribution on all numbers, and lets you wheel numbers. \$34.95  
*Slipped Disk, 170 West Twelve Mile Road, Madison Heights, MI 48071, (313) 546-3475*

### ◆ X-Lotto Professional

(Primarily for Australian users.) Calculates states for all previous and current numbers. Specialties are sheet patterns and graphical information displays. Will also check previous draws with current draws. Can check 100 sets of numbers at a time, and relay the results to a printer. Requires A500/A1000/A2000 or A3000 CPU. \$89 Australian.  
*Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia, 011-61-8-272-2302*

### ◆ X-Lotto Professional

(Primarily for Australian users.) Calculates states for all previous and current numbers. Specialties are sheet patterns and graphical information displays. Will also check previous draws against current draws. Can check 100 sets of numbers at a time, and relay the results to a printer. PAL only. A500, A1000, A2000, or A3000 CPU. \$89 Australian.  
*Electronic Trading Post, 71 Avenue Road, Highgate 5063, Adelaide, South Australia, Australia, 011-61-8-272-2302*

## ◆ ◆ ◆ GENEALOGY ◆ ◆ ◆

### GENP MultiMedia

GENP MultiMedia seamlessly integrates with GENP v1.5. It allows you to have multimedia for anyone in your genealogical databases to a maximum of 10 items per individual. The Selection window allows the user the freedom to choose what he or she is going to display or hear. Show pictures, play sounds, print or display or edit word processor files. GENP MultiMedia comes with an example genealogical database demonstrating pictures, sound, and text. \$30.00  
*GENP, 37 Charles St., Cheltenham, Victoria, Australia 3192, (011) 613-584-2765*

### ● GENP version 1.5

Genealogical software for individuals, medical researchers, society, or schools. Standard descen-

dant, pedigree, and family charts. Multitasks with your word processor for any length text. Multiple databases each with 64K people. Customize screens to another language. Pictures. Hotkeys. Multiple users. Supports non-English screens, system messages, help screens, and data dictionary. Multimedia via AREXX. Similarity and Regular Expression search. System requires 1MB, and two drives. NTSC/PAL compatible. AmigaDOS 2.0 compatible. \$99.95  
*GENP, 37 Charles St., Cheltenham, Victoria, Australia 3192, (011) 613-584-2765*

### Norgen—Version 2 of the Genealogy Database

Designed for the home enthusiast and the professional, Norgen has unique features of expandable data fields and no logical limit to the number of Subjects, Siblings, Spouses, Children and Notes. Contains all standard reports plus index to all names, validation utilities. Version 2 has added 13 user-defined fields (potential LDS compatibility), 30-generation Descendants charts, ability to search on any combination of fields, family group reports, IFF linkage, custom reports, and macros. Supports PAL monitors, foreign Keymaps. 1MB RAM required. \$49.95  
*Norris Software, 3208 West Lake St. Suite #65, Minneapolis, MN 55416, (612) 827-2766*

### Your Family Tree 2.2

Your Family Tree, developed on the Amiga for the Amiga, makes organizing your family history easy. Enter data only once; no tedious retyping of information. Features include: 30+ reports including pedigree charts, descendant charts, family groups, and lists; multiple databases, each containing up to 16 million individuals; note files can be created using any editor; supports IFF pictures; flexible multi-condition search; phonetic name-matching; many user-definable options. Illustrated manual includes index and tutorial. Designed for NTSC, can be used with PAL. Supports all Amiga keymaps, international characters. Requires 1MB, one floppy disk drive. Workbench 2.0 compatible. \$79.95  
*MicroMaster Inc., 300 Main Ave., Aliquippa, PA 15001-2449, (412) 378-7422*

### ◆ Your Family Tree Companion

A collection of utilities to increase the power and versatility of Your Family Tree. Import, export, and merge data between YFT and other genealogy programs using the GEDCOM format. Generate Tiny-Tafel listings. YFT Companion includes many newly designed reports as well as expanded versions of existing reports. Perform statistical analysis of data. Determine relationships between individuals. Generate Soundex codes. YFT Companion includes enhanced data validation and improved on-screen report display. Designed for NTSC, can be used with PAL. Supports all Amiga keymaps, international characters. Requires 1MB, one floppy disk drive, YFT 2.0 or later. Workbench 2.0 compatible. Available September 1992. Price TBA.  
*MicroMaster Inc., 300 Main Ave., Aliquippa, PA 15001-2449, (412) 378-7422*

## ◆ ◆ ◆ HOME SECURITY ◆ ◆ ◆

### AMI-X10

Works with X10 (U.S.A.) Inc.'s X10 Powerhouse Computer Interface for X10 based control of house lights and electrical appliances. Accesses all 256 switch codes for timed or immediate commands. Stores and retrieves an unlimited number of event schedules. The X10 interface works on a weekly cycle so that individual days can be timed differently. Ami-X10 provides automatic updating of sunrise and sunset events. NTSC/PAL. Requires V1.3 or older. Price: \$59.50. \$124.30 with CP290 hardware. \$59.50  
*Digital Dynamics, 739 Navy Street, Santa Monica, CA 90405, (310) 396-9771*

### PowerMaster

Software and hardware interface to add remote control to appliances and lights controlled by the X-10 system over regular house wiring. Lights can be semi-randomly turned on, off, or even

dimmed. Control up to 256 items with over 128 times. AREXX interface for complete control. \$31.00, \$79.00 with interface.  
*Complications, 1727 Parkview, Redlands, CA 92374, (714) 794-5311*

## ◆ ◆ ◆ HANDICAP SUPPORT ◆ ◆ ◆

### KeyWhiz

KeyWhiz provides an image of the keyboard on your Amiga screen and accepts input from a joystick or custom input device that is connected to the second gameboard. Its purpose is to provide an alternate means of inputting keyboard data for individuals who have difficulty using a normal keyboard. Also useful for kiosk developers. Joystick not included. \$40.00  
*Integral Systems, P.O. Box 31626, Dayton, OH 45431, (513) 237-8290*

## ◆ ◆ ◆ NETWORKING ◆ ◆ ◆

### ENLAN Network System

ENLAN is a Phase-IV end-node implementation of Digital Network Architecture (DECnet). It offers the ability to change files and data with DEC VAX/VMS computers, other Amiga computers and machines running the DECnet protocol. ENLAN features a suite of file transfer utilities, allowing remote file copies, directory listings, and file deletions. It also includes a File Access Listener which provides remote access to files residing on the Amiga. \$295.00  
*Interworks, 195 E. Main Street Suite 230, Milford, MA 01757, (800) 321-3893*  
**Please see display ad page 126.**

### ◆ ENLAN-DFS

Distributed file system. An Ethernet-based, peer-to-peer LAN solution for the Amiga. Provides the software needed to interconnect your workgroup of Amiga systems, whether it's two, twelve, or more. Saves money and increases productivity by letting you share disk space and expensive peripherals. You can assign passwords and/or allow read only access to protect system files and applications. Designed to be transparent to all Amiga application software. \$349.00 per workgroup; each license pack allows up to 5 nodes per workgroup. \$349.00  
*Interworks, 195 E. Main Street Suite 230, Milford, MA 01757, (800) 321-3893*  
**Please see display ad page 126.**

### Interact

Providing an AppleTalk-compatible networking solution, the Interact Software/Hardware package allows you to create an Amiga-only network of up to 32 nodes. You can share hard drives and printers, designate file servers, monitor activity, exchange files and messages, and read files from another node. Not limited to Amiga-only networking, the Net Package also allows you to interface an Amiga with existing AppleTalk networks for output to laser printers. Software and hardware are available for Amiga 500—\$299, 2000—\$329.99 series, or 3000 series—\$329.99.  
*DigiFeX Corporation, 610 Main Street, Oregon City, OR 97045, (503) 656-8818*

### TCP/IP

Includes TCP/IP and UDP/IP protocol support for DoD and other TCP/IP network applications. Network file system (NFS) client application support for Amiga client side file services from an NFS server. Full host table support for symbolic lookup of internal address numbers. VT100 network terminal emulation for remote access. Supports Ethernet solutions based on both thick and thin Ethernet (Cheapernet). Software utilities include Filesystem automounting on system boot-up, Host table lookup for symbolic ASCII hostname reference of internet address numbers and full local support for protection bit modification of NFS volume files and subdirectories. \$199.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### TSSnet

An implementation of the DECnet networking protocol for the Commodore Amiga. Connect

# Miscellaneous Software

Amigas to DEC VAX mainframe computer networks. Or, interconnect Amigas, Macintoshes, IBM PCs, and UNIX workstations. Share files, start remote scripts, spool print jobs, and conduct remote log-in sessions. Amigas become Phase IV end nodes when connected to DECnet via the serial port, a modem, or Ethernet. TSSnet supports Ethernet boards from Commodore, Hydra, and ASDG. Provides simultaneous file transfer, CTERM terminal emulation with any Amiga telecommunications program, and DECnet-compatible electronic mail services. Fully supports X11 with the X Window System from GfxBase, Inc. \$395.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521, (608) 455-1422*

❖ **X Window System for the Amiga**  
 XWindow System Release 4 for the native AmigaDOS. Resolutions to 2048 x 2048 color supported. TWM & OLWM (open look) user interface. Network support: TCP/IP (AS225), DECnet (TSSnet), ethernet, arcnet, serial DDCMP and slip. Works with VAX's, Suns, Apollos, IBMs, Sonys, etc. Coexists with native workbench, Intuition-user interface. Requires 1MB RAM (minimum), one floppy drive. \$395.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## ❖ ❖ ❖ RELIGION ❖ ❖ ❖

**Bible Files On Disk**  
 Genesis through Revelation, nine disks. ASCII text files to be used with text editors or word processors. Word searching dependent on text editor or word processor's capability. Not copy protected—may be installed on hard drive. King James only. \$29.95  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

**Bible Land Map Set (Basic Set)**  
 These Maps cover the entire Mediterranean and Middle East, with exceptional accuracy applied to the land of Palestine (better than 1:250,000). 10-disk set includes: 4 base maps/templates; 10 finished maps; assorted clips, and manual. Designed for use in Professional Draw and related programs. Now loadable by PageStream 2.1 in clip form (specify when ordering). EPSF also available by special request. Requires 1.5MB and Professional Draw 2.0 (or PageStream 2.1). \$49.95  
*Bible Graphics, 2751 Nolan Trace, Leesville, LA 71446, (318) 239-4614*

**Bible Land Map Set (Reference Set)**  
 This is the disk set that produces an 11 x 21 Reference Map of the land of Palestine. Map is done in two to six printouts (depending on memory and printer), and then pasted together for final copy. Double output size and create a 22 x 42 wall map. 6 disks. Now loadable by PageStream 2.1 in clip form (specify when ordering). Requires 1.5MB and Professional Draw (or PageStream 2.1). \$24.95  
*Bible Graphics, 2751 Nolan Trace, Leesville, LA 71446, (318) 239-4614*

❖ **Bible Search**  
 Bible Search is a fully-compressed and indexed Bible Concordance program, providing quick and easy retrieval of any word or verse in the entire Bible. It uses state of the art data compression to fit the entire text of the Bible onto two disks, and the Exhaustive English Concordance onto only one disk. 1MB RAM recommended. Bible Search includes automatic spell checking of every word used in the Bible, movable and sizable windows, pull down menus, output of Bible text to disk, printer or Amiga speech synthesizer, and more. Word Search options include exact phrase, single or multiple words using AND, OR and NOT Boolean logic, plus wildcard. Full scrolling of text. Authorized King James or New International Version available. AmigaDOS 1.2-2.0. \$100.00  
*SOGWAP Software, 115 Bellmont Road, Decatur, IN 46733, (219) 724-3900*

❖ **BibleReader! (King James Version)**  
 The BibleReader KJV program contains all 66 books of the King James Version Bible and a large 300-thousand character concordance/reference file. This program features an intuitive mouse-driven User Interface, full 80-column screen display, built-in help screen, user length screen dump to disk printer, Amiga speech and SuperSearch, a feature which allows the user to search for words or phrases across a section or entire Bible. All Bible text files are in ASCII format for universal word processor compatibility. Available on seven 3.5-inch disks. Requires 1MB, AmigaDOS 1.3 or 2.0. \$69.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297*

❖ **BibleReader! (New International Version)**  
 The BibleReader program contains all 66 books of the New International Version Bible, an easy-to-read modern-day English translation, and a large 300-thousand character concordance/reference file. This program features Intuitive User Interface, full 80-column screen display, built-in help screen, user length screen dump to disk or printer, Amiga speech and SuperSearch, a feature which allows the user to search for words or phrases across a section or entire Bible. The user also has the option of displaying helpful translator footnotes. All NIV Bible text files are in ASCII format for universal word processor compatibility. Available on seven 3.5-inch disks. Requires 1MB, AmigaDOS 1.3 or 2.0. \$89.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297*

❖ **BibleScholar!**  
 Concordance and Context Search allow you to locate 99% of all words or combination of words contained in the Bible instantly. Mark any block of Bible text and port to a file, to your AREXX-compatible word processor, or to BibleScholar's built-in word processing features. Bound or independent windows allow you to compare verses from different parts of the Bible, or from different translations. Strong's number allows you to reference Hebrew or Greek transliteration and definition. Word Pad lets you combine and expand library of topical references, prepare study lessons, and record studies without leaving program. Margin note capability, Smart Maps and related verses, choice of translations. Requires 2MB, floppy and hard disk. Amiga 1.3 or 2.0 compatible. \$149.95 including KJV. Demo Disk: \$10.00; New Int'l Version module: \$79.95; Greek or Hebrew translit/lexicon: \$79.95 each. Requires hard drive. \$149.95  
*EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297*

**N.T. Bible Database**  
 The N.T. Bible Database is a database file of the New Testament that is to be used with Superbase Personal 2 or Superbase Professional 3.0 database programs. The New Testament chapter with the data, a two-disk set is available, which includes the King James New Testament text files with an .sbt extension giving you the ability to see each chapter in Superbase's text window as an external text file. An external drive is required. Database \$19.95, Database + New Testament \$29.95.  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

**Names of God Database Template**  
 Template for Superbase Pro. To view the word, meaning, reference and Hebrew spelling of the names of God. Uses three windows, external text file, picture. \$9.95  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

**On Line Bible**  
 King James Bible, word and phrase search, key words have strong's, numbers and definitions. Lexicon and 571,000 cross references. You can also add your own notes to any verse. Fourteen 5.25-inch disks. \$21.00  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

**RL-901 In the Beginning**  
 Elementary level. The Biblical story of the creation of the world. From Chapter I of the book of Genesis. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RL-902 Adam and Eve**  
 Elementary level. The Biblical story of the fall of Adam and Eve. From Chapters II and III of Genesis. An illustrated hardcover book is included.

NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RL-904 Abraham, Friend of God**  
 Elementary levels. The story of Abraham's trust, and God's promise. From Genesis, Chapter XII. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RL-932 The First Christmas**  
 Elementary level. The New Testament story of the birth of Jesus in Bethlehem. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RL-938 The Story of the Good Samaritan**  
 Elementary level. The parable that showed the importance of treating others as we would want to be treated ourselves. An illustrated hardcover book is included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RL-993 In The Promised Land**  
 Five disks. High school to adult. Stories of the Chosen People and their conquest and settlement of the Promised Land. Stories include events from lives of Joshua, Samuel, and David. NTSC only. \$89.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RL-995 The Bible on Disk**  
 These document disks contain the text of the King James Version. They can be accessed by any Amiga-compatible word processing program. NTSC only. \$99.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

❖ **T-N-T (The New Testament) Version 1.1**  
 New features include online help and better searching capabilities. Original features: the ability to locate any word or phrase within seconds, easy-to-use interface, print or save to disk any part of the New Testament, Bookmark feature to quickly move selected verses. Easily installed on a hard drive, not copy protected. Fast text-scrolling and multitasking friendly. Complex searching functions. Uses the King James version of the New Testament. AmigaDOS 1.3 or later. \$39.95  
*Shocking Software, 3535 N. Nevada, Chandler, AZ 85225, (602) 892-0460*

❖ **The Context Bible**  
 New International Version. Add virtually unlimited notes after any verse (show or hide in levels of outline). Instant look-up of cross-references. Underline, italicize, bold, color, and link the Bible, commentaries (several included), sermons, diagrams, outlines, and a topic file. Search for words and phrases. Import, export, and print. NTSC/PAL, all Amiga keymaps and fonts. 1MB RAM and hard drive recommended. \$150 including Thinker (hypertext, word/outline processor, database). Free demo disk. VHS videotape \$10. 30-day warranty. AmigaDOS 1.2-2.0 compatible. Mark Sims, 2 Pygmalion Place, Hamilton, New Zealand (64-07-8476-378) dist. for Australia and New Zealand. Order direct from:  
*Neuralink, P.O. Box 16311, Lubbock, TX 79490, (806) 793-0423*

## ❖ STATISTICAL ANALYSIS ❖

**Biometrics**  
 Edited and expanded material from Sokal and Rohlf's Biometry. Descriptive statistics include stem-and-leaf displays, boxplots, and coded tables. Also includes standard techniques such as histograms, simple data entry, and test analysis. Detailed coverage of statistical distributions, statistical inference, and hypothesis testing—parametric and non-parametric. Also includes a set of programs for the analysis of variance of experiments. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

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## Cluster Analysis

A collection of all the major cluster analysis algorithms. Data-entry programs allow data entry and transfer to and from popular spreadsheets, scaling of metric data. Cluster analysis programs include procedures based on arbitrary clustering criteria, sum-of-squares of distance criteria, Hmeans and Kmeans, criteria involving invariants, Wmeans, the multiple-location allocation problem, and miscellaneous features like the bond energy criterion technique. Programs provide results for plotting dendograms. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Decision Analysis Techniques

Decision theory involving incomplete or conflicting information. Covers the major reaches of decision theory; assurance of samples and experiments, use of modeling and simulation, goal and mathematical programming, decisions under uncertainty and risk, decision tables and trees, and more. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Descriptive Statistics

Descriptive statistical techniques are primarily graphical. It is useful to calculate things, but it is essential to have a good look at the data before deciding whether or not to enter into heavy-duty numerical analysis. The title Descriptive Statistics is graphics-oriented and makes use of the new EDA techniques. You are able to examine your data with letter-value displays, stem-and-leaf displays, and boxplots. When fitting data to a line you will be able to run a resistant line through the data points as well as carry out regression calculations. Analysis of variance is complemented by median polish and the preparation of coded tables. The distribution of data points can be checked by drawing rootograms. The program set includes crosstabulations, distributions, regression, sensitivity analysis, and more. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Econometrics

Covers most of the material in Johnson's Econometric methods. Topics include statistical distribution and inference, multilinear regression, including weight regression models, ridge regression, splines, legit analysis; models using simultaneous equations, models based on time series, autocorrelation, seasonal models, lagged variables, the Cochran-Orcutt correction for autocorrelation, and more. Includes full set of transfer programs. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Experimental Statistics

Covers distributions and sampling, statistical inference, regression analysis, experiment design, and variance analysis. Describes background and usage of statistics, with examples. Program instructions detail the 60 programs included in the package. Specific topics include sampling distributions, application of the Central Limit Theorem, inverse and non-central distributions, statistical inference and hypothesis testing, regression analysis, profit analysis, and more. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Forecasting and Time Series

Covers the general methods of analysis of time-series and the forecasting techniques based on those methods. All types of time-series considered, those with trends, seasonableness, and periodicity, autoregression, etc. Time-series used include stock prices and a utilities index to population series. Provides elaborate data entry and transfer facilities. Time-series analysis covers the study of periodicity, correlation, and cross-relation, autoregression, Fast Fourier Transforms, and more. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Linear and Non-Linear Programming

Programs based on the SIMPLEX algorithm and the Monte Carlo technique. Implements general purpose and non-linear programming programs using a Monte Carlo technique. Special problems

handled include distribution and transportation, assignment, and travelling salesman problems. \$145.00  
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## Matrix Operations

Performs simple operations like matrix routines, addition, multiplication, transposition, and inversion. More complex routines find the given values of symmetric and non-symmetric matrices, and Cholesky decomposition of matrices. Provides solution of sets of similar equations. Also provides data transfer programs for easily moving files to and from spreadsheets. \$125.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## Multivariate Analysis

Covers the major topics of multivariate analysis for those who have received formal training in that discipline. Manual and programs cover the major topics of the discipline, including multilinear regression, correction analysis, factor analysis, discriminant analysis, canonical component analysis, and residual analysis. Multiple population topics include MANOVA with and without a co-variate. Includes full cross-tabulation program, and profit analysis programs. \$145.00  
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## Optimization

Covers major topics in optimization: optimization by sampling and inference, optimization by experiment, including the use of response-surface experiments and orthogonal arrays; optimization by mathematical programming, and more. Special topics study queues and simulated queuing systems, inventory problems; optimizing financial portfolios. General-purpose optimization program Optimize allows optimizing user-defined function; Simulate provides the response of a user-defined function to random inputs. \$145.00  
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## Project Planner (PERT & CPM)

Handles job scheduling and optimum assignments. Major project planning based on the PERT and Critical Path Analysis techniques. Programs are activity-oriented; user must prepare the network of activities. PERT produces the critical path and probability of finishing on time. CRITPATH produces the critical path, then provides a report on all non-critical activities—latest starting times, earliest finishing times, etc. Planner is a full-featured project-management program. \$145.00  
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## Regression

Comprised of procedures based on the least squares technique. Program set includes simple linear regression, four multilinear regression programs, ridge regression, and regression using orthogonal polynomials. Provides a Durbin-Watson program to study the statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality control methods. \$145.00  
*Lionheart Press, Inc., P. O. Box 4056, Allentown, PA 18105, (514) 933-4918*

## ◆ TELECOMMUNICATIONS ◆

### A-Talk III

For communications and terminal emulation on the Amiga. Includes X, Y, ZMODEM, KERMIT, and ASCII protocols. Script language with over 40 commands, unattended mode, 60-entry phone directory, quick menu for global selections, and 2-, 4-, 8-color support. \$59.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### Amiga Flash Chat

Amiga front end for galacticomm BBS teleconferencing systems. Provides an interesting environment for multi-line BBS users. Includes ability

to add game modules to play 'live' in a multiple-user scenario. Price TBA.  
*Technical Magic, 26090-62 Robertson Road, Nepean, Ontario, Canada K2H 9R0, (613) 596-9114*

### Amigaterrm

Sophisticated emulation and telecommunications package that is easy to use. Select up to 130 columns to be displayed on screen. Pull-down windows make operations simple. This package supports X-modem and CompuServe B protocols. \$29.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### BBS-PC!

An electronic bulletin board system that gives the user full control over the menus and operation. Featuring 16 user-definable sections, private E-mail and total data security, BBS-PC! is the standard. \$149.95  
*Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772*

### Baud Bandit v1.5

User-friendly telecommunications software. Clipboard support, macros, programmable function keys, and full AREXX support. Greater control of programs and peripherals through numerous new AREXX commands. Version 1.5 adds customizable modem and config windows and a toggle feature so users can turn their printers on and off. Other additions include VT style cursors that can be emulated through the cursor keys, Auto Baud capability, and a serial input/output feature that can be disabled by the user. Upgrade improvements include enhanced file requesters, an unlimited phonebook file size, and an advanced chat mode editing. The scrolling review and backscroll buffer sizes have been increased and the protocols have been adjusted for more compatibility. Upgrade cost is \$10. with the return of the original program disk. \$49.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### ◆ CNet Amiga v2.0 Electronic Bulletin Board System

Full-featured Pro BBS system. Handles up to 24 external phone lines with multi-serial port card. True multi-tasking system can operate in the background so as not to tie up the computer. FIDONET and USENET supported. Requires 1.3 or 2.0 AmigaDOS, at least 1MB RAM. Hard drive strongly recommended. \$129.95  
*Beverly James Products/Perspective Software, P.O. Box 40191, Redford, MI 48240, (313) 537-6168*

### ◆ DLG Professional BB/OS

DLG Professional is a unique telecommunications product aimed at the high-end hobbyist and professional bulletin board market. It now comes bundled with Trapdoor and DLGMail to form a complete FidoNet-ready package. DLG is not a single large application program, but is instead a group of interrelated modules and commands that form the nucleus of a bulletin board operating system that is built around a standard Amiga shell. This gives DLG the same advantages that AmigaDOS has: low memory overhead, and full multi-user multitasking of all functions and operations. NTSC/PAL compatible, language configurable, international character set configurable. Requires 512K and hard disk. AmigaDOS 2.0 compatible. \$229.00  
*TelePro Technologies, 20-1524 Rayner Ave., Saskatoon, Saskatchewan, Canada S7N 1Y1, 306-249-2774 HST14.4K*

### Dr. Term Pro

Powerful telecommunications software with main-frame emulations and protocols. \$49.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### ◆ InfoChannel TV Control Station

A full software solution for computer-driven TV display information systems. Designed for hotels, cable TV stations, hospitals, factories, and conference centers where information can be displayed on existing TV monitors throughout a building or to remote sites. The software allows

# Miscellaneous Software

for script creation and timing, display scheduling, and communications for the control of remote machines. Combines digital sound files, graphics, animations, texts, special effects, screen fonts, and symbols into a 'looping' presentation or into an 'interactive' kiosk that can be updated and controlled from a remote site. InfoChannel can dynamically import text and statistics from mainframes and other computer platforms for real time information dispersal. Communication options include serial, dial-up modem, Ethernet, satellite, and VBI data broadcast. Requires A2000/3000, 2MB memory, hard disk, communications hardware. \$2000.00  
*Scala, Inc., 12110 Sunset Hills Rd., Ste 100, Reston, VA 22090, (703) 709-8043*

## ◆ InfoChannel TV Display Station

For use with the InfoChannel Control Station, this program allows a geographically remote computer to function as a continuous-display information station. Controls the playback, schedules, and preloading of on-screen presentations. Communication updates from the Control Station are received in the background so that information display is not interrupted. A single InfoChannel Display Station can drive a single interactive kiosk or multiple-monitor TV displays. Requires A2000/3000, 2MB memory, hard drive, communications hardware. Optional genlock or encoder. \$800.00  
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## MiddleMan

Fast and accurate VT100 emulation. Supports numeric keypad, graphics character set, local file printing, text file transfer, and more. \$59.95  
*Benaiah Computer Products, Inc., P.O. Box 14502, Huntsville, AL 35815, (205) 881-9933*

## MiddleMan II

Tektronix 4105 color graphics terminal emulator. Supports four screen resolution modes, up to 32 colors, and VT100 emulation. \$149.95  
*Benaiah Computer Products, Inc., P.O. Box 14502, Huntsville, AL 35815, (205) 881-9933*

## MindLink

This powerful Amiga modem software has the most versatile set of controls in any telecommunications program. Brings new ease of use to telecommunicating. Data speeds from 300 baud to MIDI (31.25K baud). Protocols include X-, Y- and Z-modem. Enter BBS commands by clicking on any word or character on the screen! Exclusive chat-modem mode allows you to talk while transferring files! Real-time monitoring of on-line charges. Programmable timer. Integrated script language—design your own modem utilities. Integrated CLI and text editor. User-definable ASCII table (both send and receive). Requires 512K and one drive. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

## ● Online Platinum Edition

Incorporates all the features listed under The Works! Telecommunications Module. Includes new Research and Development Division design named Sadie!, a two way file transfer and chat protocol that lets you download and upload simultaneously. Available for PAL. AmigaDOS 2.0 compatible. \$69.95  
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## ProtoCall

Fully-featured telecommunication package designed to utilize all the power of the Amiga. \$49.95  
*Data Solutions, 43624 Appomattox Court, Canton, MI 48188*

## Star-Net BBS V1.0

Successor to Paragon BBS. Star-Net BBS is a powerful BBS program, featuring Fido-Net networking (no additional software needed), multi-line capability, two-modem with batch and resume, on-line programs (door), menu compilation, locked baud rates, and much more. System requires 1MB RAM and a hard disk. \$165.00  
*Star-Systems Software, P.O. Box 384, North Grafton, MA 01536, (508) 839-3739 voice*

## Sterling Service BBS

Friendly, easy-to-use, full-featured Amiga bulletin-board system. Uses graphics, logical menus and intelligent requesters to make setting up and operating a BBS a breeze. Requires 1MB. \$149.95  
*Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964*

## ● The Fred Fish Collection OnLine CD ROM

The CD ROM contains the entire 600+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is presetup for use as a PARNET node when used with CDTV or A570. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95  
*HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406, (414) 632-3766*

## VTX On-Line

State-of-the-art graphics communication program offers on-line help with pages referenced to the manual, scripting with automatic generation, clipboard compatible capture buffer, and mouse or menu interface. Supports CompuServe GIF raster graphics with HAM mode support for 256 colors. Protocols include ASCII, Xmodem, Xmodem-1K, Ymodem, Kermit, and more. \$79.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## ◆ Xenolink

Multi-line BBS. Built-in Fido support. All mailer software included! All popular protocols supported. 256 sypop definable menu sets (ASCII, ANSI, Spanish, French, etc.), unlimited sypop definable menus within each set. Over 140 menu commands. Built-in text sypop definable, make Xenolink look like any popular BBS software, or be original. Over 6500 message and file sections. Extensive security features to govern access of BBS lines, message, and file sections. Support for Xenolink, Paragon, and ARexx external door programs. Requires 512K RAM, hard drive recommended. ARexx required for use of message spell checker. AmigaDOS 1.2 or later. Works perfectly with AmigaDOS 2.0. \$165.00  
*Commotech Computers, P.O. Box 2787, National City, CA 91951, (800) 300-AMIGA*

## term2200

Emulates the Tandberg 2200 terminal, commonly used with Norsk Data minicomputers. It displays Norwegian, Swedish, German, and English characters, and the <esc>N and <esc>O character sets. Baud rates up to 9,600 are supported. Push keys, F keys, and many of the 2200's special function keys, such as COPY, EDIT, MARK, and PRINT are supported. PC/Link and XMODEM file transfer is supported, as well as the auxiliary printer. This product functions properly with NOTIS-WP, NOTIS-ID, and User Environment. \$125.00  
*Venn Software Ltd., 328-1027 Davie Street, Vancouver, B.C., Canada V6E 4L2*

## term6312

Emulates the Concurrent (Perkin-Elmer) 6312, 1251, and 1200 terminals. All functions required by Reliance R08, MEDIT, and LEX are supported. It supports blinking, underlined, low intensity, and non-display fields. The status line, 32 function keys, and audible beep are available. Baud rates from 300 to 9,600 are supported. The auxiliary printer is supported. \$150.00  
*Venn Software Ltd., 328-1027 Davie Street, Vancouver, B.C., Canada V6E 4L2*

## ◆ ◆ ◆ TUTORIALS ◆ ◆ ◆

### Mastering CLI and the SHELL

Interactive tutor. Allows user to type in commands with various options. Shows results and explains them in detail. New users will be using CLI from the start. Uses the common commands extensively to familiarize new user with CLI environment. Also includes The Assistant, a memory-resident reference of 21 most commonly used commands

to provide quick on-line help. New version: 2.5 features full AmigaDOS 1.3 and SHELL coverage. Over 250 pages of tutorials-interactive instruction. Features 1000 plus typed-in examples, diagrams, numerous ready-to-run script files. Expanded online help, hard disk installation routines, and more. \$39.95  
*Graphic Expressions, P.O. Box 110028, Nutley, NJ 07110, (201) 661-0408*

## Up & Running

With the Amiga 500 finally going mass market, there are thousands of newcomers wading through a sea of technobabble in search of useful knowledge. Up & Running is an on-disk tutorial that specifically targets the novice end-user. From the publishers of Point & Click, Up & Running speaks to these people in plain English and is refreshingly simple to use. \$29.95  
*Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449*

## ◆ ◆ KNITTING/WEAVING ◆ ◆

### ● Jacquard Color Separation Program

This program is designed for machine knitters who knit double-bed Jacquard knits. This Utility program saves hours and hours of tedious manual color separations. Gridded IFF files (generated in DeluxePaint or other paint programs) are imported. You may separate up to 6-color per row designs in one of four methods. Separations may be printed. AmigaDOS 2.0 compatible. \$90.00  
*Cocheville Design Studio, P.O. Box 4276, Encinitas, CA 92023, (619) 942-1957*

### ● Knit Editor Program

The Knit Editor is a utility program designed to be used with freehand drawn and digitized images imported as IFF files. It performs color reductions and then automatically grids the image to your desired stitches and rows. Various display options are given for the final picture including grid numbering, demarkation lines, symbols, variable grid sizes, and more. This program may also be used by needlework people. AmigaDOS 2.0 compatible. \$110.00  
*Cocheville Design Studio, P.O. Box 4276, Encinitas, CA 92023, (619) 942-1957*

### ● KnitterChart

Graphic-orientated charting program primarily for users of knitting machines. Mouse or keyboard input and control. Inputs swatch data and dimensions of desired sweater from user or data file. Outputs complete set of machine operating instructions in verbal, table, or abbreviated (with diagrams) form; disk data and image (IFF) files; blank data form; and diagrams. Most output can be directed to screen or printer. Permits fast and easy creation of any size garment with any type yarn in eight styles. Runs from Workbench or CLI in NTSC or PAL modes. Currently no ARexx support. Includes hard disc Install program. Fully documented. Requires A500 with 512K memory and one floppy drive; 1MB and two drives recommended. Best with hard drive and dot-matrix graphic printer. Also runs on A1000/2000/3000. Requires AmigaDOS 1.3, 2.0 compatible. \$99.95  
*Versitek Software Ltd., 1 Wentworth Circle, Eastern Passage, Nova Scotia, Canada B3G 1G1, (902) 465-2718*

### Weave-It

Weaving program with six grid sizes, any six colors at one time, 12 harnesses, and 14 treadles. Modify drawdown or design colors anytime. Change threading, tie-up, or treadling anytime. Compatible with other Amiga graphics software. Saves in IFF format. \$74.95  
*Joyce I. Peck, P.O. Box 1051, Qualicum Beach, BC, Canada V0R 2T0, (604) 752-3364*

### Weave-It Plus

All the features of Weave-It with the utility programs Fibre-Facts and Calculate-It. Both utility programs fully use the Amiga interface, do point-and-click calculations, convert standard measures to metric, and print calculations to any Amiga preferences printer. \$89.95  
*Joyce I. Peck, P.O. Box 1051, Qualicum Beach, BC, Canada V0R 2T0, (604) 752-3364*

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### ◆◆◆ CD-ROM ◆◆◆

#### ◆◆ CDx Disk Set

All software needed to attach an SCSI CD-ROM drive to most popular SCSI controllers, plus a printed manual and two CD-ROM discs (Fish & More Vols. I and II). Software consists of: CDxFileSystem for access to ISO 9660 and High Sierra discs, CDTV emulation software to run most CDTV titles (1MB chip RAM recommended), audio CD player software, comprehensive installation software, an assembly/C/ARexx-compatible device for developers, and more. NTSC/PAL compatible. Requires SCSI controller, SCSI CD-ROM drive. AmigaDOS 2.0 compatible. \$50.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

#### Fish & More Vol. I

A CD-ROM disc containing over 500MB of freely distributable software including the Fred Fish library (#1 to #370). Requires CD-ROM drive system. \$25.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

#### Fish & More Vol. II

A CD-ROM disc containing over 150MB of freely distributable software including the Fred Fish library disks #371-#470. Data is stored in a sorted format (for local use) and in two compressed formats (for BBS use). Requires CD-ROM drive system. \$25.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

#### ● The Fred Fish Collection CD ROM

The CD ROM contains the entire 600+ disk collection of freely distributable software compiled by Fred Fish. The collection is organized by disk making it possible to locate any file using existing indices to the collection. The disc also contains a high speed utility for producing Fish disks from the CD ROM in two minutes or less. The disc is updated every four months at a cost of \$29.95. Subscriptions available. Compatible with all ISO9660 CD ROM drives, Commodore's L690 CD ROM, and the CDTV keyboard, mouse, and RGB monitor recommended. Workbench 2.0 compatible. Disc is preconfigured for PARNET when using the CDTV or A570. \$74.95  
HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406, (414) 632-3766

#### ● The Fred Fish Collection OnLine CD ROM

The CD ROM contains the entire 600+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is presetup for use as a PARNET node when used with CDTV or A570. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95

HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406, (414) 632-3766

### ◆ DESKTOP PRESENTATION ◆

#### Media Show

Media Show is a multimedia sequencer for creating presentations and desktop video productions of all kinds, quickly and easily, especially on the Amiga 500. It allows the user to combine and play animations, graphics, music, and sound effects. It features a built-in video titler that can overlay text on top of movies with special effects such as multi-colored extrusions, shadows, and outlines. Media Show supports files from most paint programs, 3-D rendering and animation programs, music programs, and sound digitizers/editors. No additional hardware is required. \$129.00  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

#### Presentation Master

Display and output your own multimedia presentations. Import bit-map and EPS images, data for charts and text. With its object-oriented paint and business graphing modules, Color PostScript output and graphic presentation authoring environment, Presentation Master gives you all the tools you need to create shows with professional-quality graphics, charts, and text effects. The unique hot spot feature lets you design audience-interactive presentations—and the included stand-alone slideshow program can be freely distributed to play your creations. \$299.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

#### ShowMaker

ShowMaker puts the power of desktop video in the hands of a whole new level of users. The intuitive time line interface lets you quickly and easily mix animations, music, video titles, sounds, video effects, and graphics into video productions or multimedia presentations. ShowMaker controls a variety of devices including NewTek's Video Toaster, MIDI instruments, Laserdiscs, VCRs, and genlocks. Patented Auto Loading technology loads files as the production plays, so production length is not limited by RAM. Runs on any Amiga with at least 1MB of RAM and a hard drive. \$395.00

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

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## ♦ ♦ ♦ DRIVES GENERAL ♦ ♦ ♦

### FDD Series External fdd

FDD-M312 for the Amiga, 3.5-inch, 880KB formatted. One hundred percent Amiga A1010 compatible. 94ms access times, MFM recording mode. Additional drive connector and On/Off switch support for the Amiga.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962

## ♦ ♦ EXTERNAL FLOPPY DRIVES ♦ ♦

### 3.5 Slimline Drive

A 3.5-inch floppy disk drive, Slimline design is only one-inch-high. Has 26-inch cable for easy positioning. It also has through-port for connecting additional drives. \$139.95  
Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

### A1011 3.5 Floppy

Your expanding business and personal needs demand extra versatility and increased productivity. Add the A1011 to your system as an additional external drive and enjoy increased storage. With the internal drive, the A1011 will support a business environment with greater capacity and fast back-up. \$152.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Air A1010

External 3.5-inch 880K disk drive with on/off switch and pass-through. \$199.00  
Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### CI Hard Pro 100™

A 100MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$1599.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 1200™

A 1200MB external hard disk drive. The drive comes pre-formatted with ten megabytes of public domain software on it. The drive also has a high-quality power control center. \$9999.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 150™

A 150MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$2399.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 180™

A 180MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$2599.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 200™

A 200MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$2799.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 20™

A 20MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$799.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 300™

A 300MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$3899.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 30™

A 30MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$899.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 46™

A 46MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$999.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 600™

A 600MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$5299.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 60™

A 60MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$1199.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### CI Hard Pro 80™

An 80MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$1299.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Cortex External 3.5-inch Floppy Drive

High-quality silent mechanism. Through port. Enabled/Disable switch.  
Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480

### Master 3A-1

External 3.5-inch floppy disk drive for all Amiga computers. \$109.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

### RF302C

A 3.5-inch 880KB external floppy disk drive.  
RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713

### RF332C 3.5-inch 880K Ultra Slim External Floppy Drive

This 3.5-inch 880K external floppy drive is 0.9 in. high with low power consumption (0.025 Watt stand-by, 1.8 Watt when Read/Write). This drive is extremely quiet. There is a daisy chain port on the drive for the connection of more drives. No longer available in U.S.; replaced with RF382C RocLite. \$130.00  
RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713

### RF382CV RocLite AV

This is an 880K external floppy disk drive for the Amiga. The RocLite AV is housed in premium aluminum casing and measures only 0.9 inch in height. The drive features built-in anti-virus protection and no-clicking as well as an On/Off switch to control the number of active peripherals. The low power consumption (0.025 watt stand-by, 1.8 watts read/write) allows for daisy-chaining. \$120.00  
RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713

### RF542C 5.25-inch 880/360K Floppy Drive

This external 5.25-inch floppy drive is 40/80 track switchable. It will format, Read/Write 880 in Amiga mode. Working in conjunction with a Bridgecard or ATonce card, it will do 360K format. \$220.00  
RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713

### The Master-3A

Significantly smaller and slimmer than the A1010, The Master 3A comes with a 27-inch cable and is covered by a one-year warranty. Low power consumption and a pass-through allow daisy chaining of the drives. \$159.00  
Surfside Components Int., P. O. Box 1836, Capitola, CA 95010, (800) 548-9494

## ♦ ♦ INTERNAL FLOPPY DRIVES ♦ ♦

### A2010 3.5-inch Internal Floppy

3.5-inch horizontal floppy, no external power supply. Maximum transfer rate of 250 K/sec.; reads an entire track at one time; supports fast data transfer rates. MFW read/write format, 880K storage capacity, double-sided/double density; formatted in 160 tracks with eleven 512 byte sectors each. Power supplied by the A2000 computer system. \$123.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Air A2010

Internal 3.5-inch 880K disk drive for A2000 series. Includes instructions and mounting hardware. \$150.00  
Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### Air A3010

Internal 3.5-inch 880K disk drive for A3000 series. Includes instructions and mounting hardware. \$150.00  
Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### ♦ RF362C A500 Replacement Drive

This is a 3.5-inch, 880K internal floppy drive for the A500; available as a replacement. \$100.00  
RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713

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# Drives

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User's Groups
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◆ **RF372C A2000 Replacement Drive**  
This is a 3.5-inch, 880K internal floppy drive for the A2000; available as a replacement. \$105.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

## ◆ FLOPPY ACCESSORIES ◆

### ECE Alignment Kit

Aligns Amiga 3.5 disk drives. Uses Analog Alignment Disk. ECE program disk contains graphic representations of signals on the Alignment disk. Includes board and cable, manual, more. Uses mouse or keyboard. (Function key template included.) \$175.00  
*Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511*

### ◆ Floppy-Rail

Floppy-Rail allows you to build the internal Amiga 500 floppy drive into any PC case. Front brezel in Amiga Color. \$25.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ Power-Y-Cable

Power-Y-Cable allows you to use two drives with the same power line. \$14.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### RV300C Anti Virus Device

This is a device to be connected between the external floppy drive and the Amiga system. The device provides write-protect function to the external drive connected to it. It further provides a virus protect function to stop any attempt to write on track zero for both internal and external floppy drives on the system. The device additionally displays the track position of the magnetic head of the external floppy. This is a perfect add-on for all new or installed drives. \$50.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

## ◆ ◆ ◆ HARD DRIVES ◆ ◆ ◆

### ◆ 210MB Quantum Hard Drive

A 210MB hard drive. Call for price.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ A530-HD8

GVP's new HD8 features a 40MHz CPU and has the capability of adding up to 8MB of 60ns, 32-bit wide RAM. Designed in the same sleek style as GVP's classic hard drive subsystem for the A500, this accelerated version also features a choice of a 52, 105, or 240MB factory-installed Quantum hard drive.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### A590 20MB External Hard Drive

A 20MB hard disk drive for the Amiga 500 that allows for 2MB RAM memory expansion and SCSI port. \$538.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ ALF-FLASH-DISK-EXT

Delivers blistering speed 0.00-ms Seek time and 0.5 SCSI Access time through use of Motorola 32/16 bit processor working in tandem with high-speed NCR SCSI chip. Nothing rotating. Made with D-RAM SIMMs, mix and match different SIMMs. Holds from 2MB up to 448MB. 5.25 footprint. Comes with its own internal battery backup. Populated with 2MB. Built into a solid case with its own power supply. SubD-SCSI pass-through connector. For any Amiga with SCSI 2 controller. Two-year warranty parts and labor. English/French/German manual. Workbench 2.0 compatible. \$3395.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ ALF-FLASH-DISK-INT

Delivers blistering speed, 0.00-ms Seek time and 0.5 SCSI Access time through use of Motorola 32/

16 bit processor working in tandem with high-speed NCR SCSI chip. Nothing rotating. Made with D-RAM SIMMs, mix and match different SIMMs. Holds from 2MB up to 224MB. 5.25-inch footprint. Populated with 2MB. For any Amiga with SCSI 2 controller. English/French/German manual. Workbench 2.0 compatible. Two-year warranty parts and labor. \$1950.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ESDI Model 1350

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1350. Capacity 85-170 MB 23 m/sec. \$1490-\$1690.  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

### ESDI Model 1558-15

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1558-15. Capacity 382 MB, 18 m/sec. \$2820.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

### ESDI Model 1650

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1650. Capacity 104-182 MB, 16 m/sec. \$1695.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

### ◆ Quantum 120

A Quantum one-inch high, 3.5-inch hard drive 120MB. 19/11 ms. Call for price.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### Quantum 52MB

A Quantum 1-inch high, 3.5-inch hard drive. 52MB. Call for price.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ Quantum/240MB

A Quantum Prodrive, 240MB. 19/11ms. Call for price.  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ Quantum/420MB

A Quantum Prodrive, 420MB, SCSI-type drive. 19/11ms. Call for price. \$549.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### SCSI Model 1370

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1370. Capacity 85-170MB, 23 m/sec. \$1670.00-\$1875.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

### SCSI Model 1578-15

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1578-15. Capacity 382 MB, 18 m/sec. \$2820.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

### SCSI Model 1670

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1670. Capacity 104-182 MB, 16 m/sec. \$1695.00  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

### ST-506 Model 1320

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1320. Capacity 42-85 MB, 28 m/sec. \$799-\$1180.  
*Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 709-3407*

## ◆ HARD DRIVES COMPLETE ◆

### Filerunner™ Changeable Disk external

External SCSI removeable hard disk sub-system for any Amiga. 44MB/28 ms and 88MB/19 ms. Comes with its own power supply and fits under the monitor. Space for a second hard drive.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ ◆ ◆ HARD DRIVES ◆ ◆ ◆ COMPLETE W/AUTOBOOT

### FastCard Plus

SCSI hardcard with RAM expansion. Includes hardware for mounting 3.5-inch drive onboard. Supports up to 4MB of RAM using FastSimm-1 modules (must be purchased separately) or 8MB of RAM using FastSimm-4 modules. Card features Xetec's DMAx hardware, autoboot ROM, autoconfig circuitry, Macintosh compatible 25-pin SCSI external connector, internal 50-pin SCSI connector, drive LED connector, FastTrak utility disk, and manual. Order #FCP-000 \$150.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastCard Plus Q105

Same as FastCard Plus Q52 except drive is a Quantum Prodrive 150S with 19ms access. 105MB formatted capacity, and 64K cache buffer. \$620.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastCard Plus Q52

FastCard Plus with Quantum Prodrive 52S 52meg, 19ms drive mounted. Drive has 64K cache buffer, comes prepped and includes demos. No RAM included. \$443.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastRam

Board installs in the SA-5 or SA-10 Host Adapter allowing memory expansion up to 4MB using 1MB FastSimm modules or up to 8 meg using 4MB fastSimm modules. (FastSimm modules must be purchased separately). For the A500, order #FR5; \$75.00. For the A1000, order #FR10; \$85.00.  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastTrak Q105

System is the same as Q52 except drive is a Quantum ProDrive 105S with 19 ms access and 105MB formatted capacity plus 64K cache buffer. For the A500, order #FT105-105. For the A1000, order #FT110-105. \$665.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastTrak Q52 A1000

System is the same as A500 except the Host Adapter is model SA-10. For the A1000. Order #FT10-052. \$560.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastTrak Q52 A500

System includes SA-5 SCSI Host Adaptor with autoboot ROM. SH-52 enclosure with fan. Quantum Prodrive 52S with 19 ns access and 52MB formatted capacity plus 64K cache buffer, manual, FastTrak disk with utilities and shielded SCSI cable. For the A500. Order #FT5-052. \$560.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FileRunner™ Box/Heavy Duty

External hard drive systems for use with the Amiga 500 or 1000. System comes complete and assembled in a heavy-duty case with fan. The fan allows the system to run for months without interruption. Each case can accommodate a second drive for future expansion and the unit comes with a power supply large enough for the second drive. Available with and without autoboot (only for A500). Price for 42MB: \$740.00. \$440.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

◆ **MAX—125™ Autoboot Interface Adapter**  
Allows you to connect IBM-compatible hard disk controllers and drives to ALL Amiga computer systems. Works with many 8- and 16-bit XT and AT, ST506/412, ESDI, and IDE controllers and virtually all hard drives of these interface types. A2000 version takes only one slot position to handle two controllers when inserted in the right-most expansion slot and can be configured as a HardCard with optional mounting bracket. Passes the bus for the A500 and A1000. Priority selectable booting/mounting FastFileSystem partitions of up to four controller boards for a total of eight hard drives. Controller types and drive sizes can be intermixed. Compatible with A500/A1000/A2000/A3000 and most CPU coprocessor boards. NTSC/PAL compatible. AmigaDOS 2.0 compatible. Prices range from \$149.95 to \$189.95.  
*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815*

## Mini FastCard

Half-card SCSI interface featuring DMAx hardware, autoboot ROM, autoconfig circuitry, internal 50-pin SCSI connector, drive LED connector, FastTrak utility disk, and manual. Requires off-card mounting of drive. \$75.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## ◆ Novia 20i, 40i, 60i, and 85i

The smallest hard drive/interface combo in the world, fits completely inside the Amiga 500 computer. These high-performance drive systems are complete and ready to install. Prices: 20i—\$271.96, 40i—\$369.96, 60i—\$585.96, 85i—\$710.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## ◆ Novia/Speed 20i, 40i, 60i, and 85i

The smallest hard drive/interface combo in the world, fits completely inside the Amiga 500 computer. A fully cached 14.3MHz accelerator gives you 80% to 100% improvement with most programs. These high-performance drive systems are complete and ready to install. Prices: 20i—\$501.96, 40i—\$599.96, 60i—\$875.96, 85i—\$940.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## ◆ Prima 52i, 105i, 120i, and 240i

These drive systems fit completely inside the Amiga 500 computer, replacing the internal floppy diskette drive with a high quality, high performance Quantum hard drive. A Shuffleboard is included to make your first external floppy drive DF0:. All necessary hardware, cables, and software are included. Provides the best overall performance of any 500 hard drive system. Prices: 52i—\$430.96, 105i—\$584.96, 120i—\$616.96, 240i—\$965.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## ◆ Prima/Speed 52i, 105i, 120i, and 240i

These drive/accelerator systems fit completely inside the Amiga 500 computer, replacing the internal floppy diskette drive with a high quality, high performance Quantum hard drive. A Shuffleboard is included to make your first external floppy drive DF0:. All necessary hardware, cables, and software are included. Provides the best overall performance of any 500 hard drive system. Prices: 52i—\$660.96, 105i—\$814.96, 120i—\$846.96, 240i—\$1195.96.  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## Supra Drive for A2000

Includes Series III™ software and ExpressCopy hard disk backup. Hard card includes WordSync™ interface, autoboot ROM, SCSI expansion port, complete utility software for formatting drive and editing low-level system info. Autoboots from FFS partitions. Compatible with Bridgeboard™ and most other boards. Supports up to 30 partitions including MS-DOS partitions (with Bridgeboard). Includes clear, thorough manual of hard disk hints and tips. 52MB \$379, 120MB \$649.95, 240MB \$999.95.  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ◆ ◆ ◆ HARD DRIVES ◆ ◆ ◆ COMPLETE W/ AUTOBOOT / EXPANSION MEMORY

### ◆ Impact A2000-HC8+0/120Q-II

The Series II Hard Card 8+0/120Q-II consists of an SCSI autoboot hard drive controller card with an 120MB Quantum (19/11ms), 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ Impact A2000-HC8+0/240Q-II

The Series II Hard Card 8+0/240Q consists of an SCSI autoboot hard drive controller card with a 240MB, 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$1349.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### Impact A2000-HC8+0/52Q-II

The Series II Impact Hard Card 8+0/52Q-II consists of a SCSI autoboot hard drive controller card with a 52MB Quantum (19/11 ms), 3.5 inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$679.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ Impact A2000-HC8+0/52Q-II

The Series II Hard Card 8+0/52Q consists of an SCSI autoboot hard drive controller card with a 52MB, 3.5-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ Impact A500-HD8+0/120Q-II

The Series II A500+ hard drive/RAM add-on systems includes a GVP external hard drive chassis, power supply, fan, autobooting SCSI controller, drive, and expansion sockets for up to 4MB RAM. Comes with 0K. The A500 HD120Q/RAM comes with a 120MB Quantum drive. \$1099.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### ◆ Impact A500-HD8+0/240Q-II

The Series II A500+ hard drive/RAM add-on systems includes a GVP external hard-drive chassis, power supply, fan, autobooting SCSI controller, drive, and expansion sockets for up to 8MB RAM. Comes with 0K. The A500 HD8+0/240Q-II comes with a 240MB 1-inch high Quantum drive. \$1099.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

## ◆ ◆ ◆ HARD DRIVE CONTROLLER ONLY ◆ ◆ ◆

### ◆ ALF1-DE2-Seagate

Amiga 2000 interface with ALF2 installation software for running up to two hard drives (any kind, ST 506 style) with a Seagate ST 11 hard disk controller. English/French/German manual. Requires A2000, Workbench 1.2 or higher. \$35.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ ALF1-RE1-Seagate

Amiga 1000 interface with ALF2 installation software for running up to two hard drives (any kind, ST 506 style) with a Seagate ST 11 hard disk controller. English/French/German manual. Requires A1000, Workbench 1.2 or higher. \$85.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ ALF1-RE5-Seagate

Amiga 500 interface with ALF2 installation software for running up to two hard drives (any kind, ST 506 style) with a Seagate ST 11 hard disk controller. English/French/German manual. Requires A500, Workbench 1.2 or higher. \$85.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ ALF2-RE1-MFM

For A1000. ST 506 style hard disk controller for up to two hard drives (any kind, ST 506). Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. Also runs as second controller with any SCSI controller. English/French/German manual. Requires A1000, Workbench 1.2 or higher. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ ALF2-RE2-MFM

For A2000/3000. ST 506 style hard disk controller for up to two hard drives (any kind, ST 506). Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. Also runs as second controller with any SCSI controller. English/French/German manual. Requires A2000/3000, Workbench 1.2 or higher. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ ALF2-RE5-MFM

For A500. ST 506 style hard disk controller for up to two hard drives (any kind, ST 506). Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. Also runs as second controller with any SCSI controller. English/French/German manual. Requires A500, Workbench 1.2 or higher. \$135.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ AdSCSI 2000

For Amiga 1500, 2000, 2500, and 3000 computers. Full autobooting, FFS, removable media support, and the fastest overall performance available. Mounting frame included for hard drive card mounting. \$109.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### ◆ AdSCSI 2080

For Amiga 1500, 2000, 2500, and 3000 computers. Full autobooting, FFS, removable media support, and the fastest overall performance available. Add 2, 4, 6, or 8MB of RAM with 1MB SIMMS. \$189.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### StarDrive Module

An alternative to the MultiFunction module. Pseudo-DMA access to Macintosh-compatible SCSI drives and other third-party SCSI devices. Fast, easy to install including driver software and disk diagnostics. Also includes battery-backed clock to set your system time on boot-up. \$89.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330*

### Supra SCSI Interface for A1000

SCSI interface board allows hard disks to be connected to A1000's. Includes Series III™ and ExpressCopy software, clock, and thorough instruction. \$249.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ◆ ◆ ◆ HARD DRIVE ◆ ◆ ◆ CONTROLLER W/ AUTOBOOT

### ◆ ALF2-AF2-SCSI

For A2000/3000. SCSI 2 Controller. Full length card with holes for mounting one 3.5-inch hard drive on the card. Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. English/French/German manual.

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Requires Workbench 1.2 or higher. CD-ROM, Syquest, and A-Max II support. \$195.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ ALF2-AFN1-SCSI

OEM design SCSI controller for the A1000. Contains one A2000 SCSI board with special pass-through A1000 interface. Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. English/French/German manual. Requires Workbench 1.2 or higher. CD-ROM, Syquest, and A-Max II support. \$225.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ ALF2-AFN5-SCSI

OEM design; use this SCSI controller to turn the A500 into a PC/AT full size desktop case. Contains one A2000 SCSI board with special pass-through A500 interface. Comes with LOW level and HIGH level installation-, backup-, password-software ALF2. English/French/German manual. Requires Workbench 1.2 and higher. CD-ROM, Syquest, and A-Max II support. \$225.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ ALF2-AH1-SCSI

For A1000. SCSI Controller system. Built into an aluminum Amiga 1000-style case with room for one 5.5- or 3.5-inch hard drive. Comes with ALF2 installation- and backup-software. English/French/German manual. Requires Workbench 1.2 or higher. Syquest and A-Max II support. \$225.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ ALF2-AH2-SCSI

For A2000/3000. SCSI Controller. Half-length card. Comes with installation- and backup-software. Manual. Requires Workbench 1.2 or higher. Syquest and A-Max II support. \$110.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ ALF2-AH5-SCSI

For A500. SCSI Controller system. Built into an aluminum case with room for one 5.5- or 3.5-inch hard drive. Comes with ALF2 installation- and backup-software. English/French/German manual. Requires Workbench 1.2 or higher. Syquest and A-Max II support. \$225.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ● AdIDE/40

AdIDE interfaces provide an inexpensive alternative to full SCSI interfaces. With an inexpensive IDE (AT) drive, AdIDE will give you the speed and overall performance you need in a small package. AdIDE/40 is for the Amiga 2000 and most standard IDE (AT drives). Fits underneath CPU chip, using no slot. Includes 40-pin IDE cable and instructions. \$109.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## ● AdIDE/40 Kit

AdIDE interfaces provide an inexpensive alternative to full SCSI interfaces. With an inexpensive IDE (AT) drive, AdIDE will give you the speed and overall performance you need in a small package. AdIDE/40 Kit is for the Amiga 500, and allows you to replace the internal floppy drive of the computer with a Quantum hard drive (not included). All cabling and mounting hardware are provided, as well as a Shuffleboard to make your external floppy drive DF0. \$159.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## ● AdIDE/44 Kit

AdIDE interfaces provide an inexpensive alternative to full SCSI interfaces. With an inexpensive IDE (AT) drive, AdIDE will give you the speed and overall performance you need in a small package. AdIDE/44 kit is for the Amiga 500 and includes special hardware for mounting a 2.5-

inch hard drive (not included) inside the computer. \$139.96  
*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

## FastTrak System less hard drive

Same system as FastTrak Q40 less drive. Includes mounting bracket for 3.5-inch drive. For the A500, order #FT5-000. For the A1000, order #FT10-000. \$250.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## HardFrame/2000

High-end SCSI interface supports up to seven devices and operates at bus speeds. Cable pinouts designed for compatibility with standard SCSI hard drives. Features word length data transfer, FIFO buffering, true DMA, and is mounted on a metal frame. Autobooting; automounting; does not require old file system partition; autoloader driver into RAM for fast operation. Works with overscan. \$249 with metal frame, \$239 without metal frame. \$249.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330*

## ● SA 1000

The SA 1000 is a full pass-through Host Adapter that supports virtually any SCSI device. The setup software included allows for automatic selection and setup of most hard drives and removable-media devices. Manual entries can be made for almost every other possible device. The SA 1000 fully supports large-capacity devices, including removable-media and streaming tape systems, automatically sensing disk changes. Non-DMA design ensures the quickest possible transfer rates at all times, regardless of high-demand graphic screens. For A1000, any OS. One-year warranty. \$254.99  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

## ● SA 2000

The SA 2000 is a full-length Zorro II compliant Host Adapter capable of supporting virtually any SCSI device. The card is designed to allow half-height 3.5-inch drives to be mounted directly on it. The setup software included allows for automatic selection and setup of most hard drives and removable-media devices. Manual entries can be made for almost every other possible device. The SA 2000 fully supports large-capacity devices, including removable-media and streaming tape systems, automatically sensing disk changes. Non-DMA design ensures the quickest possible transfer rates at all times, regardless of high-demand graphic screens. For A2000/3000, any OS. One-year warranty. \$169.99  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

## ● SA 500

The SA 500 is a slim-profile Host Adapter that supports virtually any SCSI device. The setup software included allows for automatic selection and setup of most hard drives and removable-media devices. Manual entries can be made for almost every other possible device. The SA 500 fully supports large-capacity devices, including removable-media and streaming tape systems, automatically sensing disk changes. Non-DMA design ensures the quickest possible transfer rates at all times, regardless of high-demand graphic screens, etc. Works with A500, virtually any SCSI device, any version operating system. One-year warranty. \$229.95  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

## ● SA-10 Host Adapter

SCSI Host Adapter for the A-500 or A-1000 features Xetec's high performance DMAX™ hardware, autoboot ROM, autoconfig circuitry, system bus pass-thru, FastRam expansion connectors. Macintosh compatible 25-pin SCSI connector, provision for external +5v from SH series enclosures, and low-profile steel enclosure. Also included are a FastTrak utility disk, 25-pin shielded SCSI cable, manual, and 25-pin to 50-pin

SCSI adapter board. AmigaDOS 2.0 compatible. \$175.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## SA-5 Host Adapter

SCSI Host Adapter for the A-500 or A-1000 features Xetec's high performance DMAX™ hardware, autoboot ROM, autoconfig circuitry, system bus pass-thru, FastRam expansion connectors. Macintosh compatible 25-pin SCSI connector, provision for external +5v from SH-series enclosures, and low-profile steel enclosure. Also included are a FastTrak utility disk, 25-pin shielded SCSI cable, manual, and 25-pin to 50-pin SCSI adapter board. AmigaDOS 2.0 compatible. \$175.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## SCSI Hard Disk Controllers for A-1000, A-500, & A2000

The industry standard SCSI hard disk controllers for the complete Amiga computer line with AutoBoot for the A-500, A-2000, and new SCSI 3.0 DOS.  
*Coruyn International, 977 Seminole Trail, Charlottesville, VA 22901*

## Supra SCSI Interface for A500

SCSI interface board with Amiga-bis pass through and external SCSI port allows a hard disk to be connected to A500's. Includes Series IIIM™ and ExpressCopy software, up to 8MB, RAM expansion capability, and thorough instruction. \$249.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## SupraDrive 500XP

Features includes Supra Series III software, RAM test software, ExpressCopy backup software, Micro-Power drives, autobooting SCSI Interface, no external power necessary. One half to eight MB FAST RAM Expansion. Amiga bus pass-through, external SCSI port, game switch. Autoboot on/off switch, SCSI ID selector. RAM test mode. 52MB from \$599.95, 120MB from \$899.95, 240MB from \$1149.95. One-year warranty.  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## Trumpcard 500 Classic

HC Trumpcard 500 HC autoboots directly to FFS partitions if desired. Automatic detection of volume change on Syquest removable media drives is included at no charge. Half length card uses 256K x 8 or 1MB x 8 SIMMs for 512K, 1MB, 2MB, or 4MB of RAM. Upwardly compatible with the 2000. Also, every Trumpcard shipped includes support for Syquest removable media drives at no extra charge. \$189.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## Trumpcard Classic

Exclusive IVS SMARTBOOT autoboots all drives (including Seagate) from cold start. Up to seven SCSI drives can be daisy-chained to one Trumpcard. Full support of Logical Units with Adaptec controllers. Supports all Quantum, Seagate, and Miniscribe drives. User-customizable driver supports virtually any SCSI hard disk drive. The list includes over 15 devices and is growing. Half length card takes only 1/2 slot. Optional brackets mount 3.5 drives to card. Exclusive IVS checklist configuration software makes hard drive setup a breeze. A two-foot 50-pin SCSI cable included with every Trumpcard. Also, every Trumpcard shipped includes support for Syquest removable media drive. Full one-year warranty, parts, and labor. Now shipped with 2.0 software TC Utils, same as TC Pro. \$89.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## Trumpcard Professional

Trumpcard Pro is simply the fastest SCSI disk controller made for the Amiga. With the new generation drives and CBM2630 card, Trumpcard Pro gets DPerf3 times in excess of 2.1MB per second! Trumpcard Pro is a complete package; hard disk mounting brackets are included along with all power and interface cables. Trumpcard Pro is shipped with IVS' new TCUTILS 2.0, a

completely revised version of Trumpcard disk configuration software. IVS also provides SCSI Share Network capability at no extra charge. Up to seven computers can share one or more hard drives, all on the same SCSI bus. Ideal for multiple Amiga stations to share storage. \$169.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## WordSync Interface for A2000

Hard disk interface for A2000 can be mounted as hard card or used in other configurations. Revolutionary design allows super smooth video, sound, and with no rude interruptions for hard drive access. Includes everything that comes with A2000 Supra Drive except hard disk. Autoboos from FFS partition. \$149.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ♦ ♦ ♦ HARD DRIVE KITS ♦ ♦ ♦

### ♦ HIDE 1000

Internal hard drive kits for Amiga 1000, complete 'no soldering required' internal hard drive kits for A1000. Storage from 50MB to 240 MB. Prices from \$399 to \$699.  
*Skyles Electric Works, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998*

### ♦ MAX-125™ Autoboot Interface Adapter

Allows you to connect IBM-compatible hard disk controllers and drives to ALL Amiga computer systems. Works with many 8- and 16-bit XT and AT, St506/412, ESDI, and IDE controllers and virtually all hard drives of these interface types. A2000 version takes only one slot position to handle two controllers when inserted in the right-most expansion slot and can be configured as a HardCard with optional mounting bracket. Passes the bus for the A500 and A1000. Priority selectable booting/mounting FastFileSystem partitions of up to four controller boards for a total of eight hard drives. Controller types and drive sizes can be intermixed. Compatible with A500/A1000/A2000/A3000 and most CPU coprocessor boards. NTSC/PAL compatible. AmigaDOS 2.0 compatible. Prices range from \$149.95 to \$189.95.  
*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815*

### Onyx External Harddrive Kit

Expand your Amiga's harddrive capacity fast, easily, and inexpensively with TTR's Onyx series external SCSI harddrive kits. Use your existing harddrive controller (if it has external 25-pin connector). We use only Quantum LPS series harddrives. 52, 105, 120, 150, 170, and 210MB drives available. Kits come assembled with drive, cables, internal power supply with mini-fan, and extra SCSI pass thru port for daisy changing other SCSI devices. The 52MB kit is \$599.95.  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

### ♦ RH600C RocMate

This enclosure kit is the perfect mate for an external hard disk drive. It is an external casing constructed of premium plastic and is compatible with Amiga, Macintosh, and IBM PC systems. Designed to house SCSI and AT-IDE hard disk drives. Includes external power supply. \$140.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

## ♦ ♦ ♦ HARD DRIVE ♦ ♦ ♦ ACCESSORIES

### 50 flat SCSI cable x 12-inch

Order #FTA-FC12. \$14.50  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### 50-pin flat SCSI cable x 18-inch

Order #FTA-FC18 \$15.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### 50-pin flat SCSI cable x 6-inch

Order #FTA-FC6. \$14.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### Adapter board

25-pin sub-D to 50-pin flat cable. Order #FTA-SMAC \$22.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### EPROMS-ADV

GVP Advanced Autoboot EPROM kit with Autoboot EPROM and removable media support. \$69.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### External Expansion Cable for Mini FastCard

Order #FTA-EXC. \$25.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### Faastron Kit-A500

RAM and easy-to-use software for the A500 greatly increases drive speed, gives full removable media support and AMax II hard drive support. \$49.95  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### FastSimm 1™

100 ns. zero wait-state 1MB SIMM memory module. Order #FTS-001. \$50.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastSimm 4™

100 ns. zero wait-state 4 meg SIMM memory module. Order #FTS-004 \$200.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastTrak Chassis

Includes chassis, power supply and fan, less drive. Order #FTC \$140.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### Hard Disk Slammer V1.10.A

Hard Disk Slammer installs software onto hard drives, makes scripts and icons that allow installed software to execute from anywhere on the hard drive. Slammer keeps packages separate and allows installed software to be easily removed. Up to five drives can be defined. Accepts up to 10 disksets of popular software. Artificial intelligence driven. Uses approx. 300K of drive space on system. Does not read non-DOS disks! NTSC/USA. Foreign distributors welcomed to contact. Requires 68000-68040, 1MB, hard disk, Workbench 1.2/1.3/2.0. \$34.95, shipping and handling \$3. \$34.95  
*Zammoth Software, 328 Fair Street, Mansfield, OH 44902, (419) 526-6402*

### ♦ Phoenix SCSI Box

The SCSI box connects to an A590 or any Amiga with an SCSI hard disk controller to give a second disk drive. Complete with power and activity LED and fan. It obtains power from the disk drive port. Any 1-inch SCSI drive can be fitted. Price reflects 52MB hard drive. \$500.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

### SCSI-STD 17/12

Standard two-drive cable (12 and 17 inch). \$44.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### SCSI-STD/17

Standard 17-inch hard drive cable. \$29.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### SCSI-STD/3

Three-inch SCSI hardcard cable. \$25.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### SCSI-STD/3/17

Two-drive hardcard cable with three- and 17-inch connectors. \$39.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### Shielded 25-pin sub-D to 50-pin flat cable.

Order #FTA-26SC \$10.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## ♦ ♦ ♦ OPTICAL DRIVES ♦ ♦ ♦

### ♦ Cobra 2000

Cobra 2000 is a 3.5-inch SCSI-based optical drive that supports up to 20MB of data on a single 3.5-inch diskette. Cobra 2000 is configured as standard SCSI hard drive, and is compatible with most SCSI controllers including Nexus. Cobra is shipped with all necessary cables, and includes one free 20MB floptical disk. \$595.00  
*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

### MOx-600

Re-writable Ricoh 600MB Magneto-Optical Drive. Complete system includes enclosure, power supply, fan, and one cartridge. \$3600.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### Magnum/650™

The latest in optical storage technology from Sony. Removes all practical limits on disk storage, by producing up to 650MB of storage on a secure removable disk cartridge. Comes with complete driver support, utilities, diagnostic, cables, and one piece of media. Requires compatible SCSI controller. \$4995.00  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

### ♦ Maxoptix Tahiti II

This 650MB magneto-optical disk drive has built-in SCSI controller and uses front loading, removable double-sided erasable media offering 650MB of storage capacity. System features motor-drive cartridge ejection for orderly spin-down, power supply requirements compatible with industry standard 5.25-inch disk drives, and software controllable media removal and media lock. \$3599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### OptiStar 600™

OptiStar 600™ is a 600MB erasable optical drive. The drives come pre-formatted and has 10MB of public domain software on them. The OptiStar 600™ also has a power control unit. \$4899.00  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901*

### ROD-5602 F/T

Extra cartridges for MOx-600. \$229.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### Ricoh RO-5030E

Ricoh RO-5030E 5.25-inch disk drive provides speedy data access in only 71 milliseconds and offers 594MB of fully rewritable storage on a removable, two-sided magnetic-optical disk. Its sustained data transfer rate is up to 100 kilobytes per second for recording and up to 300 for reading, and has been incorporated into MS-DOS, and IBM OS/2-compatible systems. Uses highly reliable constant angular velocity (CAV) tracking, yielding an outstanding error rate of about one in every 10-12 bits read. Cartridge sold separately for \$250. \$3800.00  
*Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006, (201) 882-2000*

### ♦ XY128RW 3.5-Inch Erasable Optical Subsystem

Compatible with A2000/2500/3000. Accessed via Amiga 2091 SCSI interface board. The Amiga can be booted directly from the optical drive, and the software supports AmigaDOS 1.3 and 2.0. Has access time of 42ms. Available in both external and internal configurations. Each 3.5-inch ISO format cartridge can store up to 128MB of data, and can be erased more than one million times. \$2245.00

XYXIS Corp. Distributed by Dover Research, 14631 Martin Drive, Eden Prairie, MN 55344, (612) 492-3913 orders

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## XY600RW

Erasable optical subsystem consisting of an optical drive in a cabinet, cables, manual, software interface to the Amiga and rewriteable cartridges. Each removable cartridge stores 600MB of information. The optical drive appears as a system disk. \$4995.00

XYXIS Corp, Distributed by Dover Research, 14631 Martin Drive, Eden Prairie, MN 55344, (612) 492-3913 orders

## ◆ XY600RW-HS 5.25-Inch Erasable Optical Subsystem

Compatible with A2000/2500/3000. Accessed via Amiga 2091 SCSI interface board. The Amiga can be booted directly from the optical drive, and the software supports AmigaDOS 1.3 and 2.0. Has access time of 37ms and transfer rate of 1MB per second. Each 5.25-inch ISO format cartridge can store up to 600MB of data, and can be erased more than one million times. \$5245.00

XYXIS Corp, Distributed by Dover Research, 14631 Martin Drive, Eden Prairie, MN 55344, (612) 492-3913 orders

## ◆◆ REMOVABLE MEDIA ◆◆

### ◆ ALF-44DISK-E

External 5.25-inch removable hard disk drive, 28 ms, 44MB per cartridge. Has metal case with its own power supply and SCSI Centronics 50-pin pass-through. Comes with installation, backup software. Changedisk command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$625.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ◆ ALF-44DISK-I

Internal 5.25-inch removable hard disk drive, 28 ms, 44MB per cartridge. Comes with installation, backup software. Changedisk command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$375.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ◆ ALF-88DISK-E

External 5.25-inch removable hard disk drive, 19 ms, 88MB per cartridge. Has metal case with its own power supply and SCSI Centronics 50-pin pass-through. Comes with installation, backup software. Changedisk command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$875.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ◆ ALF-88DISK-I

External 5.25-inch removable hard disk drive, 19 ms, 88MB per cartridge. Comes with installation, backup software. Changedisk command for Workbench 1.3. English/French/German manual. For A3000/3000T. For A500, 500 Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$675.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ◆ ALF-R44-Disk

Cartridge for internal and external 5.25-inch removable 44MB cartridge. Comes preformatted if required. English/French/German manual. For Amiga with any Syquest 555 compatible drive. \$75.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ◆ ALF-R88-Disk

Cartridge for internal and external 5.25-inch removable 88MB cartridge. Comes preformatted if required. English/French/German manual. For

Amiga with any Syquest 88MB compatible drive. \$139.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### HardPack 44

SyQuest 44MB drive with one free cartridge. Removable cartridges provide safe, secure data transfer and sharing. Excellent for small system backups. In conjunction with Nexus, cartridge insertion and removal detection is automatic. Cartridges provide low-cost storage expansion. Requires 5.25-inch bay or external chassis. \$595.00

Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191

### ◆ HardPack 88

Syquest 88MB removable drive with one free cartridge. Removable cartridge provides safe, secure data storage. Excellent for small system backups. In conjunction with Nexus, cartridge insertion and removal detection is automatic. Cartridges provide low-cost storage expansion. Requires 5.25-inch bay or external chassis. \$695.00

Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191

### Infinit40/i

The Infinit40/i is a removable media drive subsystem for the A2000 and A500 computers which provides Amiga users with the convenience of 40MB cartridges and the speed of a hard disk drive. This program is ideal for animators, graphic artists, and others who need to categorize mass storage on a project or client basis and for whom a finite storage capacity does not meet their needs. The Infinit40/i is the internal version, which includes a Trumppcard SCSI disk controller, SyQuest drive assembly, two preformatted 40MB cartridges, and all necessary software and cables. Contact IVS for pricing.

Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040

### Infinit40D

For those Amiga users desiring additional storage in an external housing IVS offers the Infinit40D, a double height version of the chassis that accommodates an additional half height 5.25 or 3.5 hard drive or a second SyQuest drive mechanism. The Infinit40D power supply capacity is increased to 60 watts to handle the extra load. Contact IVS for pricing.

Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040

### Infinit40S

The Infinit40S is the external version of the Infinit40 series, which houses the SyQuest drive assembly in a low profile aluminum housing and includes an internal 40 watt switching power supply that automatically senses line voltage and switches between 110/60Hz and 220/50Hz for use anywhere in the world. This package has an externally accessible SCSI device ID switch to allow selection of any SCSI device ID without opening the unit. It also includes two 40MB preformatted cartridges and all software and cables for a total storage solution. Contact IVS for pricing.

Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040

### LaserDrive

650MB removable, eraseable optical drive. Perfect for fast-growing Toaster system. Fast, quiet and safe. In conjunction with Nexus, automatic insertion and removal situation is supported. Not a WORM or CD-ROM, but a full 650MB of removable media. \$3999.00

Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191

### ◆ MAXTOR 650 OPT

Maxtor 650MB optical drive with preformatted 650MB cartridge. Has metal cover with its own power supply. SCSI pass-through. English/French/German manual. For any Amiga with SCSI interface. Workbench 2.0 compatible. Call for prices.

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Storage Solutions 42RD™

The Storage Solution 42RD™ is a dual version of the Storage Solution 42R™ \$2599.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Storage Solutions 42R™

42MB removable disk drive. The unit comes with one data cartridge pre-formatted and contains 10MB of public domain software. The unit also has power control features. \$1350.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Super Stream 150 Int™

The Super Stream 150 Int™ is the same as the Super Stream 150™ but without a power control center. \$1250.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Super Stream 150™

The Super Stream 150™ is a tape archival system that stores 150MB per data cassette. The tape comes with software and a power control center. \$1350.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Super Stream 60 Int™

The Super Stream 60 Int™ is the same as the Super Stream 60™ but without a power control center. \$899.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Super Stream 60™

The Super Stream 60™ is a tape archival system that stores 60MB per data cassette. The tape comes with software and a power control center. \$999.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901

### Supra Drive 44R for A2000

Removable hard disk drive with 44MB cartridges. Includes one cartridge and the WordSync™ Interface. Can be used as primary or add-on drive. Includes Supra Series III™ Hard Disk Utilities and ExpressCopy backup software. \$719.95

Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

### Supra Drive 44R for A500

Removable hard disk drive with 44MB cartridges. Comes with one cartridge. Can be used as primary or add-on drive; system must include one Supra SCSI interface. \$719.95 without interface. Includes Dupra Series III™ Hard Disk Utilities and ExpressCopy backup software. \$719.95

Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

### ◆ Syquest (SQ 5110) 88MB Removable Hard Drive

The SQ 5110 features data integrity and fail-safe reliability via the sealed cartridge filtration system. Has a 20ms average seek, a data transfer rate of up to 1.25MB/second, an 8K buffer, self-diagnosis at power-up, and automatic error correction and retries. Mounts internally in the A2000 5.25-inch drive bay or externally with GVP's Impact XC external case. Syquest (SQ 800) Removable Cartridge for the SQ5110 has 88MB formatted capacity per cartridge, and features a 66.7ms average access time.

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### ◆ Syquest (SQ 555) 44MB Removable Hard Drive

The SQ 555 features a data transfer rate of up to 1.25MB/second, an 8K buffer, self-diagnosis at power-up, and automatic error correction and retries. Mounts internally in the A2000 5.25-inch drive bay or externally with GVP's Impact XC external case. Syquest (SQ 5010) Removable Cartridge for the SQ 555 has 44MB formatted capacity per cartridge, and features a 66.7ms average access time.

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770



## ❖ DRIVES TAPE BACKUP ❖

### 1.3 Gigabyte 'DAT' SCSI Tape System

Bundled with MRBackup Professional software, includes special DAT drive handler. Is completely WB1.3 and WB2.0 compatible—also has ARexx capability. With a 120-minute tape, 1300MB (1.3 Gigabytes) of storage. Drive can obtain a sustained data transfer rate of 11MB per minute. Capable of burst transfer rates of 1.58MB per second in SCSI asynchronous transfers. Available in half or full high configurations and internal or external kits. *TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

#### ◆ ALF-STR-Cartr-150

Cartridge for internal and external 5.25-inch, 150MB streaming tape drives. English/French/German manual. For any Amiga with 150MB or 230MB SCSI streaming tape drive. \$33.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF-STR-Cartr-250

Cartridge for internal and external 5.25-inch, 230MB streaming tape drives. English/French/German manual. For any Amiga with 230MB SCSI streaming tape drive. \$55.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF-STR-Cartr-GIGA

Cartridge for internal and external 5.25-inch, gigabyte streaming tape drives. English/French/German manual. For any Amiga with GB SCSI streaming tape drive. Call for prices.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF-STR-GIGA-E

External portable SCSI 5.25-inch streaming tape drive. Runs 1GB tapes. Has metal case with its own powersupply. SCSI pass-through Centronics 50-pin. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. Call for prices.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF-STR-GIGA-I

Internal portable SCSI 5.25-inch streaming tape drive. Runs 1GB tapes. SCSI pass-through Centronics 50-pin. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. Call for prices.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF-STR230-E

External portable SCSI 5.25-inch streaming tape drive. Runs 150MB and 230MB tapes. SCSI pass-through Centronics 50-pin. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$845.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF-STR230-I

Internal SCSI 5.25-inch streaming tape drive. Runs 150MB and 230MB tapes. Comes with installation and backup software. English/French/German manual. For A3000/3000T. For A500, 500Plus, A1000/2000 with any standard SCSI interface. Workbench 2.0 compatible. \$645.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### Impact WT150

The Impact WT 150 is a streaming tape backup system with a Wangtek 150MB, 5.25-inch, and a half-height drive. Includes GVP TapeStore Backup software. \$749.00

#### ◆ New Product Listing

● AmigaDOS release 2 Compatible (Vendor Verified)

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

#### Qic Tape

A small, portable tape backup system that uses the floppy drive port of all Amigas. Full-featured backup software included. Backs up 40 or 60 MB on a single low-cost tape cartridge. \$599.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

#### SCSI Streaming Tape System

Bundled with MRBackup Professional software. Includes special tape drive handler. WB1.3 and WB2.0 compatible—ARexx capability for automatic handsfree backups. Sizes from 60 to gigabytes—you choose based on your needs. One tape included with kit. Can utilize 12- to 16-bit compression. Available in 5.25-inch or 3.5-inch configurations and internal or external kits.  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

#### SideWinder 250

250MB per tape back-up solution. In conjunction with FlashBack and Nexus, streaming backups at over 5MB a minute possible. Inexpensive tapes make this the easiest, most cost-effective way to backup your system. Hardware error detection ensures safe and reliable backups. Requires 5.25 inch bay or external chassis. SideWinder 500 is also available with 500MB, for \$949.00. The SideWinder 1000 is a 1 Gigabyte DAT tape drive, with a price of \$2299.00. \$695.00  
*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

#### TapeStore

GVP TapeStore Backup software and TapeStore EPROM kit. \$79.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

## ❖ ❖ ❖ HARD DRIVE ❖ ❖ ❖ CONTROLLER W/AUTOBOOT & EXPANSION

#### A2091

The A2091 is a high-performance autobooting hard disk controller and memory expansion board. The device can be fitted with 2MB of memory and provides improved SCSI capabilities. Additionally, the controller provides space for mounting a 3.5-inch hard disk. \$199.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

#### ◆ ALF3-AF2-SCSI

For A500. SCSI 2 high speed controller with up to 8MB RAM using zip RAM. 0K populated. Full length card with zip RAM sockets and room to mount one 3.5-inch hard drive. External SCSI 25-pin SubD connector. ALF hard drive and streamer installation software with backup and checkdrive software. English/French/German manual. Requires Workbench 1.2 or higher. Supports ATonce, IBEM, CD-ROM, Streamer, Syquest, and A-Max II. \$298.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### ◆ ALF3-AH5-SCSI

For A500. SCSI 2 high speed controller with up to 8MB RAM using zip RAM. 0K populated. Comes in Amiga 500-style metal cover with room for one 3.5-inch hard drive. External SCSI port, control LEDs, on/off switch for RAM and SCSI. ALF hard drive and streamer installation software with backup and checkdrive software. English/French/German manual. Requires Workbench 1.2 or higher. Supports ATonce, IBEM, CD-ROM, Streamer, Syquest, and A-Max II. \$399.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

#### Grand Slam Multifunction Card

Grand Slam packs the Trumpcard Professional SCSI hard drive controller, 8MB of fast RAM and a Printerface parallel port all onto a half-length Amiga expansion card. The high speed SCSI controller includes IVS' exclusive SCSI-SHARE SCSI

networking software that allows multiple computers to share hard drives and other SCSI peripherals. The fast RAM can be configured as 0, 2, 4, 6, or 8 MB using easy-to-install 1M x 8 SIMM memory modules. The parallel port is output only and is designed to connect to printers, allowing audio and video digitizers to connect to the Amiga parallel port directly. Grand Slam's half length form factor allows hard drives to be attached directly in a 'hard card' configuration. Grand Slam 2000 0K list price is \$289.95. Grand Slam 500 0K is \$369.95. Owners of Trumpcard, Trumpcard 500, Trumpcard Professional, and Trumpcard 500 Professional can upgrade to Grand Slam. SCSI Share Network capability provided with every Trumpcard Professional and Grand Slam at no extra charge. \$289.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

#### Impact A2000-HC8+0/0-II

The Impact Hard Card Series II consists of a SCSI autoboot hard drive controller card which allows mounting of a 3.5 inch drive directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K \$249.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

#### Nexus

Fast, non-DMA HD controller with room for up to 8MB of expansion memory. Complete software support includes graphic formatter, Flashback backup software and six others. Five year warranty. Free 800 tech support. Supports A-MAX II, UNIX, removable media drives, tape drives, and DAT's right out of the box. Designed for use with the A2000/3000. \$299.00  
*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

#### ◆ Nexus 500

Fast, non-DMA HD controller designed for A500. Expandable to 8MB of memory. Comes complete with easy-to-use graphic formatter, Flashback, and six other applications. Supports A-MAX-II, UNIX, PC, removable media drives, tape drives, optical drives, etc. Unit features custom molded plastic chassis and ships with five-year guarantee. Price TBA.  
*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

#### ◆ RH800C RocHard

This external hard disk drive casing and controller is streamlined to fit perfectly with the A500. Available in two models: IDE and IDE/SCSI. The IDE model supports up to two IDE hard disk drives and seven SCSI drives or devices. Features autoboot and autoconfig with Kickstart 1.3 or above, three-position game switch for full compatibility and a quiet fan cooling unit. External power supply included. IDE: \$299. SCSI: \$350.  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

#### SCSI + HD Controller and Multiport Board

This internal expansion provides RS232 output, Parallel printer output, and an RS422 output for networking capability. It's an ultra fast autoboot SCSI controller. All drivers and software are included. INTERACT networking software is available separately from DigiFeX. \$299.99  
*DigiFeX Corporation, 610 Main Street, Oregon City, OR 97045, (503) 656-8818*

#### ◆● Trumpcard 500 AT

The performance and function of this hard disk / RAM expansion is wrapped in a beautiful, color-matched, injection-molded plastic housing that matches the contour, form, and aesthetics of the A500. Accepts any 3.5-inch AT (IDE) hard drive. Also includes memory expansion up to a full 8MB of 16-bit fast RAM using industry-standard 1MX8 SIMM modules. RAM is fully autoconfigured and can be added at the user's convenience before or after the hard drive. Includes all cables and software necessary for configuration and extensive memory testing. AmigaDOS 2.0 compatible. \$275.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

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# Memory Expansion

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## ❖ MEMORY EXPANSION ❖ GENERAL

### 512K Internal Memory

An internal replacement for Commodore's A501. Features external disable switch. Clock and RAM optional. System requirements: A500. AUS \$119 with clock; AUS \$99.00 without clock. *Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

### 512K RAM Expansion

A 512K memory expansion board for A500. Available with and without clock/calendar option. Has on-board switch to switch the memory in or out without removing the board. \$99.95 *Rio Computers, 3310 Bertwyck St., Las Vegas, NV 89121, (800) 782-9110*

### 8-UP! (DIP)

FastRAM DIP (Dual Inline Package) is a truly Amiga-specific version of the popular 8-UP! (SIMM). Using MicroBot's Programmable Macro Logic chips assures a zero wait state/minimal-refresh-collision memory design. Extremely low-power memory card 8MB 8-UP! (DIP) draws an astoundingly efficient 800 milliamps! All RAM is conventional, socketed 1-megabit by 1, 120ns DIP RAM. For maximum flexibility, memory space is divided into two autoconfiguring devices-PIC's. Each consists of two banks of 16 sockets. Possible memory sizes are 2, 4, 6, and 8MB. \$159 and up. \$159.00 *MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330*

### 8MB Memory Board

An external memory board for the A1000. Features: auto-config, disable switch, pass through, and fully socketed for easy memory additions. \$350. AUS \$499.00. 2MB Populated. \$350.00 *Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

### A2000-RAM 8/2

Half size RAM board will accept 8MB of zero-wait-state fast memory expansion for the A2000. Memory can be added in 2MB increments and is automatically auto-configured. (0MB installed.) \$225.00 *Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

### A2058 RAM Board

2MB RAM expansion for the A2000 expandable to 8MB. \$349.00 *Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ A500 Plus II: 2MB Chip RAM

Adds 2MB memory as chip RAM to any A500. Installation requires A500 to be opened. Installation is well supported by documentation, but it is not suitable for beginners. \$400.00 *Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

### AX 1000/AX 2000 RAM Board

The AX1000/AX2000 is an auto-config 1MB or 2MB meg RAM board for the A1000. Both have full pass-through on the expansion bus, allowing multiple expansion devices to be connected, allowing to expand the A1000 system as the need arises. Prices are: \$549.00; \$899.00 Canadian. *Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### ● AdRAM 2080

Easily adds 2, 4, 6, or 8MB of autoconfiguring RAM to an Amiga 1500, 2000, 2500, or 3000. Price shown is for unpopulated board. \$109.96 *ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### ● AdRAM 505

Half-sized card adds 512K of RAM to the Amiga 500 through the slot under the keyboard. Price shown is for unpopulated board. \$29.96 *ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### ◆● AdRAM 510 Plus

Adds 512K or 1MB of additional chip RAM to the Amiga 500 Plus. Price shown is for unpopulated board. \$39.96 *ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### ● AdRAM 540

Adds up to 4MB of RAM internally for the Amiga 500. RAM can be added one-half MB at a time. Price shown is for unpopulated board. \$109.96 *ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### ● AdRAM 560D

Adds an additional 2MB of RAM to an Amiga 500. Requires AdRAM 540 with at least 512K installed. Fully populated. \$239.96 *ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### Ammege I A1000

Memory expansion for the A1000; has 1MB of memory. External. Zero wait state design, auto-configuration under 1.2. Populated board available. 0K Board \$163.95 *Kline-Tronics, 10 Carlisle Ct., York, PA 17404, (717) 764-4205*

### Aries

Holds up to 8MB in 2, 4, 6, or 8MB configurations. Selectable two and four memory configuration when 6MB installed. Five-year warranty. Uses 1MB. Comes with AmigaDOS Explorer, Memory Doctor (graphic memory test) and FlashDisk (a better than RAD: recoverable RAM drive). Memory test jumper ensures all memory tested. \$149.00 *Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

### BASEboard

The BASEboard is a 4MB memory upgrade card for the Amiga 500's A501 slot. With the optional daughter card the total can be increased to a total of 6.5MB. The BASEboard provides a battery-backed clock, works with both the 512K and the 1MB versions of the Agnus chips, and is 100% compatible with all Amiga software. The BASEboard features 'plug in' installation without any soldering for both Agnus chips. The memory board utilizes special four layer construction allowing you to use any speed memory from any manufacturer. The 4 x 8 socketed memory array uses industry standard 256 x 4 DRAMS and the memory can be increased in 512K increments. Its low power design does not require extra power and its location leaves the expansion bus free for additional peripherals. Optional contiguous memory mapping is available up to 6MB with the OVERboard. 0K memory. \$149.95 *Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

### BattDisk

A battery-backed very fast Static RAM Disk for the A2000 & A3000. Provides up to a 2MB Static Ramdisk that is easily expandable from 0K, in 64K or 256K increments to 2MB. Does not take any Amiga memory expansion space. Will survive power down. Device is fully autobootable under 1.3. Excellent for multimedia applications or animations where you need access. Data transfer rates up to 2.7 MB per second. Can be hardware or software write-protected. Also available in an Eprom version, for use in turnkey systems. \$269.95 w/0K. *DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

**Please see display ad page A.**

### Cortex 512K RAM Expansion for A500

Low power 1MB RAM chips. Enable/disable switch. Fat Agnus compatible for 1MB Chip RAM. Available with or without battery-backed clock/calendar module. *Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480*

### Cortex 8MB RAM Expansion for A1500/A2000

Fully implemented auto-configure. Zero wait

states. Uses standard 1MB x 8 or 9 bits SIMMS. Available as 2MB, 4MB, 6MB, or 8MB. *Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480*

### Cortex 8MB RAM Expansion for A500/A1000

Fully implemented auto-configure, operational through-bus. Has its own power supply. Zero wait states. External fitting-warranty remains intact. Available for 0MB, 269.; 2MB, \$399.; 4MB, \$529.; 8MB, 759. *Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480*

### DataFlyer

The DataFlyer is a full-featured hard drive controller for the Amiga. This non-DMA hard drive controller is available in SCSI or IDE models. The DataFlyer controller has all the standard features of products costing twice as much and more. The IDF clocks test speeds of 825K reads and writes using the Diskspeed tests. The DataFlyer 500 and 1000 includes a chassis that easily plugs onto the Amiga expansion bus and accepts your choice of any 3.5-inch hard drive unit. The cards in the chassis can be removed and installed in an expansion card slot of any Amiga 2000. An additional 8MB of RAM can be added to any controller (now or later) with the optional DataFlyer RAM board. A long list of features insures ease of operation. Options include DB25 SCSI pass through, hard card rails and power supply for the DataFlyer 500. Prices for the hard drive controller with autoboot range from \$89.95 to \$249.95. Prices for the hard drive controller with autoboot and expansion memory range from \$209.95 to \$5369.95. *Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

### EXP-8000+ w/2MB

Fully internal 2, 4, and 8MB expansion board for A500. Has coprocessor sockets for adding a 68010 or 16-25 MHz 68881 coprocessor, w/2MB installed. \$349.95 *Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### FastRam for A1000 (option)

FastRam board for the A1000. Order #FR10. \$85.00 *Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastRam for A500 (option)

FastRam board for the A500 host adapter allows memory expansion to 8MB using FastSimm modules. (FastSimm modules may be purchased separately). For the A500. Order #FR5. \$75.00 *Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastRam with 2 meg

FastRam board with 2-1MB memory modules installed. For the A500, order #FR5-2; \$175. For the A1000, order #FR10-2; \$185. *Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### FastRam with 4 meg

FastRam board with 4-1MB memory modules installed. For the A500, order #FR5-4; \$275. For the A1000, order #FR10-4; \$285. *Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### Insider II

Allows A1000 owners to add up to 1.5MB of Fast RAM internally. User Expandable in 512K increments using 256K x 4.0 RAMs. Includes battery-backed clock/calendar. Comes with software for the clock and testing RAM. Simple installation, no soldering required. The Insider II is compatible with the Kwikstart Rom board. \$199.95 w/0K. *DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

**Please see display ad page A.**

### ● KwikStart II

Allows A1000 owners to install a V1.3 and V2.0 Kickstart Rom in their A1000. Will let you upgrade to the latest operating system without using up your system memory. You can still boot from disk-based Kickstart if needed. Compatible with the Insider and Insider II. From the maker of the first internal Fast RAM expansion board for the A1000. \$69.95 w/o RAM. \$69.95 *DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

**Please see display ad page A.**

# Memory Expansion

## ◆ M502 1MB Standard RAM Expansion

The M502 is a high quality, 1MB standard RAM expansion for the Amiga 500 Plus (increases total chip RAM to 2MB). User installable. Chips are socketed and replaceable. Totally compatible with A500 Plus, French, German, and other language support for included documentation; worldwide distribution. \$89.00

MicroBotics, Inc., 1251 American Parkway,  
Richardson, TX 75081, (214) 437-5330

## MegAChip 2000/500

Allows Amiga 2000 and Amiga 500 owners to expand their 512K or 1 MB Chip RAM to 2MB of Chip RAM. Uses the 2MB Agnus that is used in the A3000. Doubles the amount of RAM accessible to the Amiga's custom chips. Excellent for DeskTop Video or Publishing. Expands your capabilities for 3-D rendering and animations, graphics design, and digitizing. \$299.95

DKB Software, 50240 West Pontiac Trail, Wixom,  
MI 48393, (313) 960-8750

Please see display ad page A.

## ◆ Memory for Amiga

Memory expansion for the A500, A1000, and A2000. For the A500 we offer 512K to 8MB of internal and external (leftside) memory. For the A1000, we offer 512K of internal and external (rightside, frontside) memory. And for the A2000, we offer 512K to 8MB of internal memory expansion. \$69.95 to \$579.95. NTSC, PAL, AmigaDOS 2.0 compatible.

Skyles Electric Works, 231E South Whisman Road,  
Mountain View, CA 94041, (800) 227-9998

## Meta4

Meta4 is a zero-wait state memory expansion card for the A2000. Using state of the art SIMM memory modules, either 512K, 1MB, 2MB, or 4MB of RAM may be plugged into Meta4's four low profile sockets. The 512K and 1MB increments are available using 256K x 8 SIMMs while 2MB and 4MB increments are available using 1MB x 8 SIMMs. Meta4 measures in at 1/2 the length of a standard Amiga card and is specially designed to fit in their Trumpcard 500 enclosure along with the Trumpcard SCSI disk controller and the SCSI disk drive. Power consumption is kept to a bare minimum with smart refresh circuitry that draws less than one amp when fully populated with 4MB of RAM, and fully loaded, Meta4 consumes less than five watts. \$99.95

Interactive Video Systems, 7245 Garden Grove  
Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040

## OVERboard

The OVERboard plugs onto the BASEboard and provides an additional 2MB of memory. It brings your Amiga up to 6.5MB of internal memory. The mapping provides 4MB contiguous memory blocks with optional mapping available that increases it to 6MB. It comes with 512K installed and sockets for an additional 1.5MB. The OVERboard also utilizes worry-free four-layer construction. \$129.95

Expansion Systems, 44862 Osgood Road, Fremont,  
CA 94539, (510) 656-2890

**RA5 Series Internal RAM Card for Amiga 500**  
RA5-512K—512KB RAM card. RA5-2M-2—2MB RAM card, with 512KB CHIP-RAM and 1.5MB Fast-RAM. RA%-2M-0—0-2MB RAM card unpopulated. Easy to install on the A500. Supports reset-proof RAM disk, fully compatible with hard disk. Supports On/Off switch to Enable/Disable expanded RAM.

CHS Inc., 602 North Country Fair Drive,  
Champaign, IL 61821, (217) 356-1962

## ◆ RC-1000

2-4MB memory upgrade for A1000 with 2MB on board. \$185.00

GoldenIMAGE Technology Corp., 3578 E.  
Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## Series II A2000-RAM 8/2

Series II RAM Expansion Board for the Amiga 2000. The RAM Expansion board has 8MB RAM

capability and is expandable in 2MB increments. Memory modules are easily installed. The new RAM board also supports a 6MB configuration for maximum memory utilization for Commodore's A2088/2286 Bridgeboard users. (OMB installed.) \$225.00

Great Valley Products, 600 Clark Avenue, King of  
Prussia, PA 19406, (215) 337-8770

## Supra RAM 2000

RAM board for the A2000. Easy to expand. Zero wait states and hidden refresh. Four-layer board reduces noise and improves reliability. Made in the USA. 2MB\$219.95, 4MB\$299.95, 6MB\$379.95, 8MB\$449.95. Five year warranty.

Supra Corporation, 7101 Supra Drive SW, Albany,  
OR 97321, (800) 727-8772

## SupraDrive™ Floppy Disk Drive

Quiet, reliable floppy disk drive works with all Amiga computers. 1MB unformatted capacity. Pass-through port for connecting additional drives. Virus protection and anti-click noise reduction. \$149.95

Supra Corporation, 7101 Supra Drive SW, Albany,  
OR 97321, (800) 727-8772

## SupraRam 500RX

The SupraRam 500RX is a 1/2 to 8MB external FAST RAM expansion that lets the A500 user run larger and more sophisticated programs and create large, very fast RAM disks. The board fits into a compact case that easily plugs onto the computer's expansion port. It features an Amiga bus pass-through that allows the user to connect additional devices. It uses zero-wait states and hidden refresh for optimal speed, and features a test mode and diagnostic software to simplify troubleshooting. 1MB\$169.95, 2MB\$249.95, 8MB\$579.95. One-year warranty.

Supra Corporation, 7101 Supra Drive SW, Albany,  
OR 97321, (800) 727-8772

## The DataFlyer RAM

The DataFlyer RAM is a 4/8MB memory board that plugs onto the DataFlyer interface or can be used as an A2000 card in a 100 pin slot. Using 256 x 4 DRAMs, memory can be added in increments of 512K up to 4MB. Using 1MB x 4 DRAMs (DIP), memory can be added in increments of 2MB and up to 8MB. 0K memory. \$119.95

Expansion Systems, 44862 Osgood Road, Fremont,  
CA 94539, (510) 656-2890

## ◆● VXL RAM-32 (2MB/Burst)

RAM-32 for the VXL-30 accelerator. 2MB of 60-ns 32-bit wide memory. Supports high-speed burst mode. Autoconfigs. Supports DMA transfers. Can be optionally mapped at hex 8 000 000. Kickstart can be mapped to memory even without MMU. Has socket and logic support for alternate Kickstart ROM (i.e., AmigaDOS 2.0). Can be used as 16-bit wide memory when in 68000 mode. French, German, and other language support for included software and documentation; worldwide distribution. Requires A500 or A2000 with VXL-30 installed. \$379.00

MicroBotics, Inc., 1251 American Parkway,  
Richardson, TX 75081, (214) 437-5330

## ◆● VXL RAM-32 (2MB/Non-Burst)

The lowest-cost version of RAM-32 for the VXL-30 accelerator. 2MB of 80-ns 32-bit wide memory. Autoconfigs. Supports DMA transfers. Can be optionally mapped at hex 8 000 000. Kickstart can be mapped to memory even without MMU. Has socket and logic support for alternate Kickstart ROM (i.e., AmigaDOS 2.0). Can be used as 16-bit wide memory when in 68000 mode. French, German, and other language support for included software and documentation; worldwide distribution. Requires A500 or A2000 with VXL-30 installed. \$299.00

MicroBotics, Inc., 1251 American Parkway,  
Richardson, TX 75081, (214) 437-5330

## ◆● VXL RAM-32 (8MB/Burst)

RAM-32 for the VXL-30 accelerator. 8MB of 80-ns, 32-bit wide memory. Supports high-speed burst mode. Autoconfigs. Supports DMA transfers. Can be optionally mapped at hex 8 000 000. Kickstart can be mapped to memory even without MMU. Has socket and logic support for alternate Kickstart ROM (i.e., AmigaDOS 2.0). Can be used as 16-bit wide memory when in 68000 mode. French, German, and other language support for included software and documentation; worldwide distribution. Requires A500 or A2000 with VXL-30 installed. \$849.00

MicroBotics, Inc., 1251 American Parkway,  
Richardson, TX 75081, (214) 437-5330

## ❖ 32 BIT MEMORY EXPANSION ❖

### ◆ DKB 2632

A 32-bit memory expansion board for the A2500/A2630 accelerator card. Allows 32-bit memory beyond 4MB. The board is expandable to 112MB using 32-bit wide SIMM modules. Allows use of different size memory modules in one bank. The 2632 RAM is faster than the RAM on the 2630 card and has full Burst mode support. Excellent for use in video graphics, animation, and publishing applications. Requires A2000 with CBM 2630 accelerator. Price stated is for 4MB. \$699.95

DKB Software, 50240 West Pontiac Trail, Wixom,  
MI 48393, (313) 960-8750

Please see display ad page A.

### ◆ ProRAM 3000

64MB memory expansion board for A3000 series computers. 32-bit design allows use of 1MB x 8 and 4MB x8 low-cost 80 ns page/static column mode SIMM modules. Supports many configurations from 4MB to 64MB. \$449.95

Progressive Peripherals & Software, 464 Kalamath  
St., Denver, CO 80204-5020, (303) 825-4144

## ❖ ❖ MEMORY EXPANSION ❖ ❖

### W/CLOCK

### 501-s Memory+Clock

Half a MB, Clock, and Switch for the A500! When you add the inboard 512K memory and clock module to your A500, make it a MicroBotics-brand, plug compatible work-alike. Its built-in switch allows you to shut it down without having to uninstall it when ill-behaved software expects no more than 512k in your Amiga. The M501-s uses high-quality 256K-by-1 CMOS memory chips and a long-life, user replaceable lithium battery. Set the Microbotics clock using the same software on your Workbench disk as you use for the Commodore clock. \$49.00

MicroBotics, Inc., 1251 American Parkway,  
Richardson, TX 75081, (214) 437-5330

### A501 RAM Expander

Expansion inboard 512K memory and clock module, expands your A500 to 1MB and keeps it up-to-date. \$149.00

Commodore Business Machines, 1200 Wilson  
Drive, West Chester, PA 19380, (215) 431-9100

### Power PC Board™

IBM PC emulator for Amiga 500 and 2000 computers. 1MB PC RAM. Supports Hercules, CGA, VGA, and MCA monochrome and 16-color modes. Includes clock/calendar and DOS software. \$399.95

Supra Corporation, 7101 Supra Drive SW,  
Albany, OR 97321, (800) 727-8772

### RC-500

A 512K memory upgrade for the A500 with clock/calendar. \$55.00

GoldenIMAGE Technology Corp., 3578 E.  
Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

### RM550C

This 512K RAM Card for A500 Systems comes with on/off switch and quality chip and battery in slim card size. \$79.00

RocTec Electronics Inc., 170 Knowles Drive, Ste.  
202, Los Gatos, CA 95030-1844, (408) 379-1713

### SupraRAM™ 500

This 1/2MB memory expansion includes battery backed-up clock/calendar. Easy to install in expansion slot on bottom of Amiga 500. \$69.95

Supra Corporation, 7101 Supra Drive SW, Albany,  
OR 97321, (800) 727-8772

## ❖ BATTERY BACKUP MEMORY ❖

### R 502-U

Internal RAM card for A-500 computer with realtime battery backed up clock. This unit mounts where the regular 501 card mounts. \$160.00

Corwyn International, 977 Seminole Trail,  
Charlottesville, VA 22901

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# Video Toaster

## ♦ ♦ ♦ TOASTER ♦ ♦ ♦

### Background Bits 24

This is a collection set up for those either titling with a Video Toaster or any other 24-bit program that accepts a 736 x 480 overscan ability. Graduated shades in blue, gold, and greens, shaded boxes, gridwork, and brushes to create your own are packed on these two handy disks. \$28.00 *CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

### ♦ ChromaKey+

Allows video on video, or video on graphics. Works with the Video Toaster's keyhole effect for complete control through the Video Toaster. Cables provided for standard Amiga genlock usage or for Video Toaster. New version has higher video bandwidth, special Chroma separator circuit for standard video, and separate Chroma input for SVHS sources. A new linear key output is provided for the Video Toaster, along with a 1-volt, 75-ohm terminated or 5-volt TTL hard key output. \$395.00 *MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

### ♦ Personal Switcher

Allows linear mixing of synchronized video sources for true fading, wiping, and keying via any 0-1V key input. The four-input version will allow for layered keying and three independent key inputs. Can be used with multiple Video Toasters to provide truly amazing effects or with other video equipment. Fits in XT card slot in any Amiga 2000/3000 or PC. NTSC/PAL. Available July 1992. *Electronics To Go, 9896 SW Freeway, Houston, TX 77074, (713) 933-0788*

### TDL487 Video Delay Line

The Video Delay Line is designed specifically for use with the Video Toaster and the Amiga. The Toaster has an internal 400+ nanosecond delay which must be accounted for when integrating it into broadcast or post production use. Toaster users must time their system to compensate for this 400+ nanoseconds by adding delay to other video signals they intend to use in conjunction with the Toaster. The Delay Line provides a 360 nanosecond fixed delay and a 127 nanosecond switch variable delay to compensate for the Toaster. With the Delay Line, all video signals can be easily timed to the Toaster video signal. In addition, it can be used for timing inputs two, three, and four on the Toaster to input 1. NTSC and PAL available. \$275.00 *Allen Avionics, Inc., 224 East Second Street, Mineola, NY 11501, (516) 248-8080*

### ♦ TRexx Professional

Control the Video Toaster without additional hardware or programming knowledge. Quickly and easily create scripts that have accurate time delays, loops, GPI events, DOS commands, and more. Link scripts together, edit up to six scripts simultaneously, control VTRs and laser displays via the serial port(s), run scripts from icons or from within TRexx Professional. Powerful copy, paste, comment, find, and undo features. Full intuition interface. NTSC/PAL. Requires 68000, 1MB, ARexx. AmigaDOS 1.3 and 2.0 compatible. \$129.95 *KludgeCode Software, P.O. Box 1163, Holland, MI 49422-1163, (616) 786-0740*

### ♦ Toaster Sequence Editor

Utility program for creating scripts of Video Toaster events. Performs any transition: load, grab, and save frames; display any character generator page; load projects and CG books; delay any amount of time; and wait for GPI trigger. Allows many types of output, including CLI command, ARexx command, speech, and serial output. Works with Toaster versions 1 and 2. Under version 2, variable effects are possible. Full point-and-click interface. No programming required. ARexx not required. Generates icons for all scripts. \$75.00 *Byte Factory, The, 2317 SW 31st Street, Oklahoma City, OK 73119, (405) 631-BYTE*  
**Please see display ad page 110.**

### V-LAN Driver

The V-LAN Driver allows Newtek's Video Toaster to be automatically controlled from any V-LAN compatible edit control, such as the SuperMICRON. Both mixes and wipes are supported, with 10 wipes being selected directly from the controller and the other wipes set up on the Toaster. The V-LAN compatible machine con-

troller connects directly to the serial port of the Amiga. The driver also provides for frame-by-frame animation control performed from the Amiga serial port via a V-LAN compatible animation controller. Parallel VCR. \$2930.00; Serial VCR. \$2230.00 *Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

### Video Toaster

The Toaster is a broadcast-quality video computer which sits inside the Amiga. It has four VLSI custom chips and its own RAM. It does not use Amiga output, but rather produces its own output. The Toaster will be shipped with a character-generating program, with Toaster Paint (a 24-bit paint program) and Toaster 3D due later this year. The Toaster includes a seven-channel production switcher which will switch between seven stable sources and provide dissolves and wipes. The Toaster is also a broadcast-quality genlock, frame grabber and digitizer. The Toaster is also a DVE unit with real-time manipulation of live video. Over one hundred pre-programmed effects will come with the first release of the Toaster with more available later. The Toaster also includes dual frame buffers (which will also work with standard 24-bit IFF RGB files). Output from the Toaster is straight, 24-bit, 16-million color, broadcast-quality NTSC. \$1595.00 *NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

### Video Toaster 2.0

The new 2.0 system is over twice the size of the original shipping system and contains 50% more effects. Whole new modes include real-time warping, soft-edge transitions, and organic effects like clouds, pouring liquid, fire, tearing paper, and breaking glass. Features include a completely revised object modeler, faster rendering along with over 100 new features in LightWave, a sharper luminance key mode that eliminates the edging commonly associated with keys, improved output specifications, new fonts, more objects, and a new alpha channel mode that will enable the frame buffers to be used for 32-bit applications. The new ToasterCG features almost instant loading of text screens, more scrolling speeds, greater integration between ToasterPaint and ToasterCG, a special Workbench utility that allows the Toaster Genlock to be controlled while other software is running, and a long list of file compatibility. Upgrades \$395. \$2495.00 *NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

### Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer on how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$39.95 *TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

### Video Toaster Workstation

An entire television studio full of equipment, compacted into one easy-to-use tool. This self-contained system requires no host computer, but is compatible with many graphic file formats from a variety of personal computers. It comes ready to operate with video switcher, digital effects, 3-D animation, broadcast paint 35ns character generator, frame grabber, still store, and more. \$3995.00 *NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

### Video Toaster Workstation/30

The Workstation/30 has all the functions of the standard Toaster Workstation but adds the additional power of Motorola's 68030 processor running at a blistering speed of 50 MHz. Enhanced specifically for the needs of 3-D animators and videographic artists, the Workstation/30 provides the horsepower to take on large 3-D rendering projects. It also has a 68882 math coprocessor running at 50 MHz to speed complex graphics calculations up to 20 times. \$8995.00 *NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

## ♦ ♦ ♦ TOASTER FONTS ♦ ♦ ♦

### 1st Prize Toasted Fonts

These fonts are used in the Toaster CG SCROLL & CRAWL pages only. They have crisp, well-formed letter shapes, absolute minimal computer

pixel jaggies, uniformity of proportionality, and legible default 'kern' letterspacing optimized for video technology. Customers are also given an opportunity to acquire the original bitmaps from which these Toasted Fonts are created, so their investment is protected by allowing them to achieve uniform results from their other Amiga software and hardware purchases. Retail price for these products is \$69.95 each package or \$249.75 for the whole five sets. *Allied Studios, 482 Hayes Street, San Francisco, CA 94102, (415) 863-1781*

### A\*Video Professional Font System 1.0

Professional video and paint program fonts. Artist-designed, sculptured, specialty, and plain Workbench-compatible bitmap fonts. Includes free toaster-format conversions. Over a dozen typefaces in 2-6 sizes each, from 30 to 130 pixels high. Video-legal, switchable palettes, upper/lower case and symbols. Also includes Master Kit for Eurofonts so add foreign language modules as you need them. 3MB or more recommended, 6MB or more for Toaster versions. \$249.95 *CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### AmiVideo Fonts 2.0

Large English language fonts for paint and video applications. Artist-designed collection of antialiased color and monochrome bitmap fonts from 30 to 130 pixels high. Includes video-legal switchable palettes, microkerning, upper/lower case and symbols; lots of sizes and typestyles. Toaster conversions included free. Extensive documentation, font utilities, and sample printouts. 1MB Chip/3MB Fast RAM recommended. \$149.95 *CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### ♦ CALLIGRAPHY FONTS: Video

Gorgeous nordic, Old English, script, and decorative fonts for those special applications: titling, wedding videos, cable access. Seven typefaces, two to six sizes of each font. Two file formats: Toaster and Broadcast Titler. English characters only. Lots of RAM recommended. Excellent documentation and install utility included. \$139.95 *CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### Cinnamon Toast Fonts, Volumes 1 and 2

The first alternate multi-color fonts available for NewTek's Video Toaster. Cinnamon Toast Fonts are dimensional multi-color font styles created in 24-bit color values and converted to NewTek's ToasterCG 16-bit video font styles. This first set is a four-disk package with six files in two sizes each for a total of 12 fonts. The fonts were designed for headline or program titles and range from 44 to 64 scan lines in height. Styles are Ice, Hammered, Contrast, Scout, Engrave, and Jewell. \$99.95 *Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

### KARA FONTS-TOASTER FONTS 1

Anti-aliased 16 million color fonts for the Toaster CG. This font package will give Toaster users the professional broadcast quality 'look' to use for titling. There is a wide variety of 3-D looking texture treatments and type styles. This package, containing six disks, has four different fonts in two sizes each. Every font includes the full character set special characters. Includes a Hard Drive installation program. TF1 contains four distinctive fonts in styles of shiny and metallic surfaces. Fonts included are Chrome, Gold, Goldextruded, and Inflated. \$99.95 *Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### KARA FONTS-TOASTER FONTS 2

Anti-aliased 16 million color fonts for the Toaster CG. This font package will give Toaster users the professional broadcast quality 'look' to use for titling. There is a wide variety of 3-D looking texture treatments and type styles. This package, containing six disks, has four different fonts in two sizes each. Every font includes the full character set and special characters. Includes a Hard Drive installation program. TF2 consists of four textured fonts in four different type styles. Comes in textures of Marble, Granite, Wood, and Brass. \$99.95 *Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (310) 578-9177*

### Masterpiece Toaster CG Fonts

All 110 fonts from the Masterpiece Professional Font Collection have been converted to the Toaster CG format, ready to load and use immediately. These fonts only work with the Video Toaster CG. \$150.00 *ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803*

# Video Hardware

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## ❖ GENERAL ❖

### AirLink 3.0

Amiga Infra Red (AIR) Universal Remote Controller. Control any IR activated equipment via ARexx, mouse, menus, hotkeys, MIDI events, serial bytes, or parallel pins. Works with the mouse on first mouse port. Built-in IR receiver, super-bright IR transmitter, and IR output jack. Includes one super-bright, PowerMID-compatible IR LED adapter. Make your own AIR windows (screen duplicates of IR remote controllers) from IFF brushes. Includes a library of AIR window devices: LDs, CDs, VCRs, X-10, etc. Many ARexx and other multimedia examples. \$80.00  
Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

### Color Splitter

For use with Digi-View, this electronic color splitter allows users to capture color images from VCR, LaserDisk, CamCorder, or any still NTSC video source without using color filters. \$150.00  
MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819

### DPS Personal TBC II

Infinite window plug-in TBC card compatible with Amiga 2000 series and all IBM PC and other ISA bus computers. Software control of proc. amp, timing, and color balance. ARexx support. NTSC or PAL. \$995.00  
Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090

### ◆ DPS Personal V-Scope

Waveform monitor/vectorscope on a plug-in PC card. Provides full or quarter screen representations of waveform and vector displays on your video monitor with better than 1% accuracy. NTSC and PAL. \$995.00  
Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090

### DQ-TACO Toaster Animation Controller

Single slot, board-level video animation controller designed to work within the Amiga 2000/2500 series with the Newtek VideoToaster, as well as within the Amiga 3000 series with other graphics applications. The controller has a seamless interface to LightWave 3D and can be expanded to control multiple serial VTRs for editing and multimedia applications. Accurate recording; automated functionality; control of video, laser disc, and digital disk recorders; multiple software interfaces. NTSC or PAL. \$2195.00  
Diaquest, 1440 San Pablo Ave., Berkeley, CA 94702, (510) 527-7700

### ● LaserView Laser Disc Player

The LaserView Laser Disc Player consists of a Pioneer LD-V2000 Laser Disc Player, cabling and software driver that works with Commodore's AmigaVision software. A cable connected to the Amiga's parallel port controls the player through the AmigaVision Disc Player icon instead of a

remote control. AmigaVision programs that operate with the Pioneer 2200 and 4200 series Laser Players will also run with the LaserView Disc Player. AmigaDOS 2.0 compatible. \$699.00  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334  
**Please see display ad page 144.**

### MIDI-Mice

MIDI-Mice is a man-machine interface for use in interactive hypermedia productions and performances. By emulating all mouse and keyboard functions, MIDI-Mice software allows you to control virtually any video, music, or paint programs from your MIDI instruments. NTSC only. Workbench 1.3 or later. \$85.00  
Tensor Productions, 819 Gwyne Avenue, Santa Barbara, CA 93111, (805) 683-2165

### MediaPhile 2.0A Infrared Controller

Provides infrared control of video decks, camcorders, compact and laser disc players, DAT, and audio cassette decks, and monitors from computers. Two independent serial outputs are also provided for Sony 's'-port and JVC 'swap'-port control. Learns infrared codes when combined with a MediaPhile edit controller. \$245.00  
Interactive Microsystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545

### MediaPro Interactive Multimedia Controller

MediaPro, designed to stand alone or multitask with a host Amiga, provides a low-cost control system for interactive multimedia applications. MediaPro, with its own CPU, reads application software from a laser disc on bootup and accepts and interprets input from touch screens or keyboards. The board, with four serial ports and eight I/O ports, provides numerous user control functions. \$695.00  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334  
**Please see display ad page 144.**

### ◆ Omni Chroma Keyer

Model 361 NTSC Omni Chroma Keyer, Model 322 PAL Omni Chroma Keyer. Versatile 3 Chroma Keyer Models. Standard mode: composite/5-video FG/BG with external RGB/YUV key source. Encoded mode: Chroma key from composite/5-video foreground. Component mode: YUV/RGB FG/BG with three levels linear key. Option 1: Remote control panel with key fade, hue, gain, and clip control; garbage mask generator; preview output with mask display. \$3000 to \$5500.  
Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311, (818) 700-0742

### ◆ OpalVision

A 24-bit video display and effects card from Opal Technology. Has both internal and external versions. Provides true, 24-bit, broadcast-quality video capabilities for all Amiga models. Has 1.5MB of display memory and an on-board graphics processor. Can be expanded with addition of combination 256-level alpha channel genlock/framegrabber, and a de-interlacer. Multiple resolutions, auto-configures to NTSC or PAL standards; can generate 24-bit double-buffered animations. Includes real time, 24-bit painting and image processing program called OpalPaint, utility software, and a 24-bit game! \$995.00  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

### PC-VCR

A computer controllable SVHS/VHS VCR that permits frame accurate searching and operation for desktop multimedia applications. Can be operated by any RS-232 serial port with ASCII commands. A frame code is recorded on any tape without intruding on existing video or audio content. This code, in seconds and frames, permits computer control of the PC-VCR for editing, interactive presentations and video retrieval purposes. With computer control and frame accurate search, the PC-VCR can take both existing programs and new recordings and make them

computer interactive. Cable not included; ordered separately. Sold only in U.S. and Canada through NEC Multimedia dealers. NTSC only. \$2100.00 list plus \$55.00 for cable. \$2100.00  
NEC Technologies, Inc., Professional Systems Division, 1255 Michael Drive, Wood Dale, IL 60191, (800) 562-5200

### ● Panasonic/Selectra AG-1960/RS™

The Panasonic/Selectra AG-1960/RS™ is a high quality computer controlled professional editing video cassette recorder. It combines Panasonic's best-selling S-VHS VCR, the AG-1960, and Selectra's control system. The AG-1960/RS™ is controllable from any Commodore/Amiga computer through an RS-232 serial port. Selectra's controller provides interactive control over all VCR functions as well as a broad range of editing features. It is shipped complete with demonstration and control software. Available for NTSC. AmigaDOS 2.0 compatible. \$2195.00  
Selectra Corp, P.O. Box 5497, Walnut Creek, CA 94596, (510) 283-1670

### ◆ Personal Series Expansion System

Dual rackmount chassis for Personal TBC II, VDA, or V-Scope cards. Includes front panel controls and serial port. One rack unit high. NTSC or PAL. \$595.00  
Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090

### ◆ Personal VDA

This 1 x 4 Video Distribution Amplifier drives four 75-ohm terminated loads from one video output. Plugs into any A2000 series or IBM compatible (ISA) expansion slot. NTSC or PAL. \$150.00  
Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090

### ◆ Phoenix Colour Digitizer

Combined color splitter/digitizer for digitizing from any color video source without filter wheels. Unit features a saturation control and separate luminance and chrome inputs for either SVHS or composite. Compatible with DigiView 4 software. PAL only. Requires 1MB. \$350.00  
Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### Prism Pal Color Splitter

Specifically designed to work with Digi-View. Accepts a standard or SVHS PAL Composite video signal as input. Output is automatically switched between red, green, and blue. Second output is available as RGB & Composite sync for a color monitor, so that you can see what you are about to digitize. Front panel has saturation, contrast, brightness controls, and shows which color is being sent to the digitizer with three LEDs. A manual switch comes as a standard feature which allows it to be used with other digitizers. Aus \$499.00.  
W. van Heeckeren, 12 Burfitt Street, Leichhardt, N.S.W. 2040, Australia, (011) 612-560-2910

### The Producer Systems

Complete studio systems, from starter to complete professional. Studios customized to your application, up to and including Targa systems. All hardware, software, furniture, set up, and training available. Call for price quote. Also MIDI systems, all Amiga-based.  
Commotech Computers, P.O. Box 2787, National City, CA 91951, (800) 300-AMIGA

### ◆ VIDEO-Cable

We manufacture video cable for any known genlock, VGA monitor, VCR, sound device, from flickerFixer to any monitor. NTSC/PAL, A-Max II. Workbench 2.0 compatible. Call for prices.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

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# Video Hardware

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## Video Arts Teleprompting Systems

Complete hardware and software teleprompting packages. Hardware configurations include either camera-mount or independent telepod support systems with 12-inch monitor/prompter, monitor lensview, and monitor mount assembly. Software is AutoPrompt by DigiSoft. An optional remote hand-controller device is available to adjust speed, direction, and control start and stop with 25' or 50' cable. Price: \$2495 to \$2645. *Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

## ● VuPort™ Computer/VCR Interface

VuPort is a computer accessory which controls two Panasonic AG-1960 S-VHS VCRs from Commodore/Amiga computers via the RS-232 serial port. It connects to the VCR through the 5-pin edit jack. Additional VuPorts can be daisy-chained on a single computer port. VuPort synchronizes multiple-deck operations and controls all VCR functions, including jog shuttle, insert and assembly edit and audio insert. Cue to frame, play frame, play segment, and other tape control functions are available. VCR status and tape location—in hours, minutes, seconds, and frames—are reported to the computer. VuPort runs under any application software that includes the VuPort driver. Supported by RGB's AmiLink CI videotape editing software and Gold Disk's ShowMaker video production software. Ships with control software, manuals and cables. NTSC. AmigaDOS 2.0 compatible. \$749.00. *Selectra Corp., P.O. Box 5497, Walnut Creek, CA 94596, (510) 283-1670*

## ◆ ◆ ◆ DIGITIZERS ◆ ◆ ◆

### DCTV

DCTV is a revolutionary new video display and digitizing system. DCTV creates a full color NTSC display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit high resolution images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full NTSC color. \$495.00. *Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

### ◆● VLab

VLab is a real-time video digitizer with YUV technology. It is actually a Zorro II card. Digitizing from live video is possible. Time base correction is embedded. NTSC/PAL. German and English versions available. Supports local library. Requires A2000/3000, 1MB RAM, AmigaDOS 2.0. \$370.00. *MacroSystem Computer, Friedrich-Ebert Str. 85, 5810 Witten, Germany, 011-492-3028-9177*

## ◆ DIGITIZERS/ACCESSORIES ◆

### AutoLink

An electronic module allows fully automatic color digitizing when used with the Color Splitter, Digi-View, and any composite color video source. It plugs into the back of the Color Splitter and into the second port of the Amiga. All you have to do to get color IFF images is select 'digitize aut' in your Digi-View software. It's easier and a lot faster than manual operation. \$49.95. *MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

### Digi-Droid

Motorized filter wheel automatically advances the color filter wheel for Digi-View. Speeds up digitizing and minimizes chances for mistakes. Hands-free digitizing. \$79.95. *NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

## ◆ DIGITIZERS/FRAME GRABBERS ◆

### FrameGrabber

Real-time, 4096 color, video digitizer. Grab color images from VCR or camera in 1/30 of a second. Supports screen resolutions from 320 x 200 to 640 x 400, including lo-res overscan. For all Amigas.

PAL version lists for \$799.95. \$499.95. *Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### FrameGrabber 2.0 Software

Powerful enhancement software for FrameGrabber. Offers image printing and processing: shrink, zoom, magnify, sharpen, blur, and more. \$49.95. *Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### FrameGrabber 256

256 gray-shade video digitizer with professional image-processing software. Displays up to 256 shades of gray on any Amiga monitor. \$724.95. *Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### Spectrum

Full 24-bit FrameGrabber/FrameBuffer. Grabs a frame from any NTSC source in real time, 1/60th second in frame mode or 1/30th second in field mode. Captures and digitizes in full NTSC color, no splitter required. Supports full overscan, stores NTSC image internally in own frame buffer. Easy-to-use software features support for controlling digitizing; saves in all popular formats including IFF24. Requires 1MB. \$599.00. *Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

### Video Digitizer

Real-time frame grabber in 1/60 second, 320 x 256 display with 16 gray levels. Updates screen at 1 frame/sec. Save screen as IFF format. Edit pictures with cut, paste, copy, reverse, negative & more. \$139.95. *Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110*

## ◆ ◆ DIGITIZERS/SCANNERS ◆ ◆

### ◆ Digi-View MediaStation

Combines Digi-View Gold digitizer with Digi-Paint 3 and Elan Performer 2.0 software to allow users to digitize, paint, and present high quality images. Dynamic visual presentations can now be presented with breakthrough ease of use. \$249.95. *NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

### IMG Scan II

Turns your printer into a hi-res image scanner. With 256 gray levels, full-color assignable. \$139.95. *Seymour-Radix, P. O. Box 166055, Irving, TX 75016, (214) 255-7490*

### JS-105-1M

400 DPI handscanner with 64 Grayscale and Migraph touch-up software. \$229.00. *GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482*

## ◆ DIGI/SCAN/ACCESSORIES ◆

### Professional ScanLab II

Professional color scanning package includes all the software cables and hardware interfaces for the A2000 to provide total control over Sharp's JX-300, JX-450, and JX 600 color scanners. High-quality, 24-bit data from the scanner can be converted into Amiga HAM images, or maintained in its 24-bit true color form. This translates into 16 million colors. Scanlab II also includes the ASDG GPIB interface card. Use standalone or with Art Department Professional. \$800.00. *ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Professional ScanLab II Complete

This product includes Professional ScanLab II as well as Art Department Professional. \$1000.00. *ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

## ◆ ◆ ◆ DVE ◆ ◆ ◆

### Rambrandt/Amiga

A 32-bit dual framebuffer with 24-bit painting and real-time digitizing. NTSC/PAL composite and RGB input and output. On-board T.I. 34020 processor for real-time resizing, 'window in a window,' animations, zoom, and other ADO-style effects, all in 16 million colors at resolutions up to 1024 x 1024. Onboard video RAM and code RAM to 8 MB for 34020 applications. A 34082 coprocessor is optional. System requirements: A2000/2500/3000. Amiga library support for existing applications and development. \$3995.00. *Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## ◆ ◆ EDITING HARDWARE ◆ ◆

### AG-7650

Designed as a source machine for a high-quality S-VHS editing or dubbing system, the AG-7650 provides outstanding playback quality because of its built-in digital TBC that virtually eliminates jitter, skew, head impact error, and color blurring. The source player features special amorphous video heads, a logical comb filter, 32 times normal speed search, four channel audio (two stereo audio channels with a dynamic range of 90 DB, as well as two linear audio channels with Dolby NR), and an IQ mechanism for precise, high-speed operation. Features include a Field Freeze function, Jog/Shuttle Dial, an optional Plug-in Time Code/Generator Reader and a RS-422A serial interface to allow connection to MII and other serial control systems. \$4500.00. *Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

### AG-7750

The AG-7750 S-VHS Hi-fi editing VCR has a built-in digital time base corrector and RS-422A serial interface. A built-in digital TBC minimizes degradation, such as jitter, skew, head impact error, and color blurring. Genlock capability enables synchronization with an external reference signal. In addition, a field-coefficient Dynamic Noise Reduction system, for separate processing of Y and C signals, helps ensure an exceptional signal to noise ratio. The unit's capstan servo control mechanism provides full-loading stop and high-speed search at 32 times normal speed with viewable picture, for time-saving and added convenience during editing. \$6500.00. *Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

### Animation+

Now get absolute frame accurate animation plus a full-featured videotape editing system for less than you would expect to pay for an animation controller alone. Convenience, efficiency, cost-effectiveness, and ease of use combined in one complete animation plus editing system. Animation+ combines the power of the Micron and a V-LAN Transmitter into one system. \$4500.00. *Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

### BR-S811U

S-VHS PROFESSIONAL S full function editing recorder with built-in chroma enhancer for multi-generation editing, four channel XLR balanced audio and many other professional features. Ideal for use with an Amiga system. \$5000.00. *JVC Professional Products Co., 41 Slater Drive, Elmwood Park, NJ 07407, (201) 794-3900*

### MediaPhile 2.0P Universal Edit Controller

Plugs into two MediaPhile tape deck control ports to bring tape position information into computers. MediaPhile ports are easy to install in just about any video deck. Infrared and serial control are also provided from the unit for a wide variety of video and audio devices. Two SMPTE time code inputs give near frame accurate editing, and a GPI remote switch output controls switchers for A/B-roll dissolves. \$245.00. *Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

### ◆ MediaPhile 2.0SA Serial Edit Controller

Plugs into a Sony, Canon, or Ricoh 'remote' edit control port to bring tape position information



# Video Hardware

into computers from camcorders and video decks. The unit also provides infrared and serial control over wide variety of video and audio devices. SMPTE time code input is included for near frame accurate editing. \$195.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile 2.1S Serial Edit Controller

Plugs into four Sony, Canon, or Ricoh 'remote' edit control ports to bring tape position information into computers from camcorders and video decks. Infrared and serial control are provided for a wide variety of audio and video devices. Two SMPTE time code inputs give near frame accurate editing. A MIDI output is also included. \$395.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile 3.0S Pro Edit Controller

Provides Commodore-Amiga, IBM-compatible, and Macintosh computers with control over industrial and prosumer video decks equipped with serial control ports. Its four serial ports can be independently configured for RS-422, Sony 'remote', or MIDI remote control. Infrared, Sony 'S-port', and JVC 'swap'-port control make it an ideal choice for interformat editing. Three SMPTE time code inputs provided for near frame accurate control. \$495.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## Micron

The revolutionary low-cost frame accurate video editing system. Micron packs state-of-the-art production tools into one console—a user-friendly dedicated keyboard with its own embedded master computer. Keyboard includes JOG, SHUTTLE, and CRUISE control of source and/or record transports. Two built-in V-LAN compatible receivers allow you to connect to two different video transports. Receivers are functionally user-programmable and provide software downloadable drivers for all popular industrial and broadcast-quality transports (serial and/or parallel). Different types of VTRs can be mixed and even re-assigned under software control. Offers 250-event nonvolatile memory, printer port, sync rolls, split edits, GPI interface, and upgradability to A/B Roll. \$3500.00

*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## PACE Professional Animation Control Engine

PACE is the complete V-LAN compatible, frame accurate animation controller in one stackable package for your desktop. Packed in a single 19-inch wide unit. Contains a V-LAN compatible transmitter and receiver for animation control. The V-LAN transmitter connects to the serial port and the V-LAN receiver connects to the remote connector of your videotape recorder or laser disc player. The PACE back panel has parallel and serial connectors to mate with any type of transport. Optional VLX-SM reader/generator available for transports without SMPTE/EBU time code reader/generator. \$3195.00

*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## SuperMicron

SuperMicron is the feature-packed A/B Roll upgrade of Micron, which adds the capabilities of serial switcher control and variable speed control. To be set up with an Amiga and the Toaster. The system demonstrates new V-LAN switcher interface for the Toaster and SuperMicron's control of Toaster. A perfect animation plus editing system for Toaster users. \$7500.00

*Videomedia, Inc., 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## The Personal SFC

A low-cost hardware and software solution to bridge gap between single-rendered images and completed video animation. Fully compatible with NewTek's Video Toaster, Impulse's FireCracker 24, Digital Creations' DCTV, GVP's ImpactVision 24, ACS Harlequin, Amiga genlock, Black Belt Systems' HAM-E, others. Easy-to-use point and click interface, time lapse and stop motion recording, animation sequencing, 1/4 screen B&W

animated preview, convenient tape pre-stripping, and AREXX control. Supports a host of RS-422 serially interfaced, frame accurate VTRs with internal time code. Requires A2000/3000 with 1MB RAM min., 3-9MB recommended for advanced conversion/display features. NTSC/PAL in one version. For A500 compatibility contact manufacturer. \$425.00

*Nucleus Electronics, Inc., 10 Cross Ave., P.O. Box 1025, Nobleton, Ontario, Canada L0G 1N0, (416) 859-5218*

## VuPort™ Computer/VCR Interface

VuPort is computer accessory which controls two Panasonic AG-1960 S-VHS VCRs from Commodore/Amiga computers via RS-232 serial port. Connects to VCR through 5-pin edit jack. Additional VuPorts can be daisy-chained on single computer port. VuPort synchronizes multiple-deck operations and controls all VCR functions, including jog shuttle, insert and assembly edit and audio insert. Cue to frame, play frame, play segment, and other tape control functions available. VCR status and tape location—in hours, minutes, seconds, and frames—are reported to computer. Runs under any application software that includes VuPort driver. Supported by RGB's AmiLink CI videotape editing software and Gold Disk's ShowMaker video production software. Ships with control software, manuals, cables. NTSC. AmigaDOS 2.0 compatible. \$749.00

*Selectra Corp., P.O. Box 5497, Walnut Creek, CA 94596, (510) 283-1670*

## ENCODERS

### A520 Modulator

Lets you connect the A500 to a composite color monitor or standard TV. Converts video signal into RF modulated and color composite signals. Accepts audio from A500 which is added to the RF video to be heard through TV. Connects to the A500's RGB video port. Power is supplied by the A500. \$38.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## VIDEO ENHANCEMENT

### DEB™ 2000

MicroWay's DEB 2000, Denise Extender Board for the Amiga 2000 and 2500, transfers the video signals required by the flickerFixer from the Denise socket on the Amiga motherboard to the DEB connector board. DEB 2000 allows MicroWay's award-winning flickerFixer to be operated without utilizing the video slot. As a result, the video slot is left free for other devices such as internal genlocks and frame buffers. Compatible with NewTek's Video Toaster, Digital Creation's SuperGen 2000, and most other video slot peripherals. \$99.00

*MicroWay, P. O. Box 79, Kingston, MA 02364, (508) 746-7341*

### Flicker Free Video 2

Has more standard features and is more flexible than any other display enhancer for Amiga computers. With standard VGA or multi-sync monitor, FFV2 will eliminate annoying flicker from interlaced display modes and visible scan lines from non-interlaced modes. FFV2 automatically switches between NTSC and PAL. New ESC modes are supported, with automatic bypass for Productivity mode and optional manual bypass switch for SuperHiRes mode. True scan line doubling eliminates motion artifacting. Unique FFV Preferences program allows adjusting screen refresh rate and overscan. FFV2 works in any Amiga, and doesn't use the video slot in the A2000. \$299.96

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700*

### Impact Vision 24

A multifunctional color enhancement board which will allow video professionals to create broadcast quality video pictures, images, and animations. The enhanced 24-bit color resolution offers 16 million colors, and also features a built-in digital keyer and flicker fixer. Also built into the unit is a frame buffer, and genlocks for both RGB and analog and Composite video signals. The unit is designed for use with the Amiga 3000 and is also

compatible with the Amiga 2000 by using a small video adaptor board. Included with the board is 3-D rendering software, as well as a 2-D 16 million color GVP paint package. \$2199.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

## MasterControl

MasterControl provides all the capability of VidControl, but will accept six discrete inputs from the gameport, as opposed to the one input used by VidControl. MasterControl provides a totally asynchronous capability to interface up to six outside discretely to Amiga software. \$75.00

*Integral Systems, P.O. Box 31626, Dayton, OH 45431, (513) 237-8290*

## Non-Flicker-Video

Non-Flicker-Video plugs under the Denise chip and produces a non-flickering screen with any VGA or multisync monitor. Comes with two stereo speaker connectors. NTSC/PAL. For A500/1000/2000. English/French/German manual. Workbench 2.0 compatible. \$280.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## VidControl

A typical application for VidControl in a Video production studio would involve synchronization of DeluxePaint III animations with video source from another device, via a GPI controller. VidControl supports user-definable response to input signal, permitting the user to define the keyboard message that is passed to the application. VidControl also supports variable time delays between the input event and the passing of the message to the application, permitting, for instance, a video pre-roll delay. More generally, VidControl provides a general purpose input mechanism to permit the synchronization of any Amiga software package with an event in the outside world, based upon a switch closure, from a mouse, a joystick, or any other device. \$30.00

*Integral Systems, P.O. Box 31626, Dayton, OH 45431, (513) 237-8290*

## Video Crisper

The Video Crisper will brighten and sharpen all of your colors so that your reds will be redder, your blues bluer, your greens greener all without having that washed out look that usually comes when adjusting your brightness and contrast controls without the Video Crisper. You will notice an incredible difference in your graphics programs, your workbench screen, entertainment programs, in everything you do! The unit plugs into the Amiga RGB port so no soldering is required. An enhanced version designed for use with external genlocks is also available for \$149.00 and is also installed without cutting or soldering. \$49.00

*Memory Location, The, 396 Washington Street, Wellesley, MA 02181, (617) 237-6846*

## flickerFixer

MicroWay's flickerFixer is a professional graphics enhancer that uses de-interlacing and fits in the A2000 and A2500 video slot. Removes the flicker in the interlace mode and the visible scan lines in the non-interlace mode of the A2000 and A2500 display. Fully compatible and transparent to all user software. Supports standard multiscanning and VGA monitors. Compatible with 4096-color HAM mode. Does not modify the standard Amiga video signals which can be used simultaneously for RGB output or with an encoder for composite output. \$295.00

*MicroWay, P. O. Box 79, Kingston, MA 02364, (508) 746-7341*

## flickerFixer Genlock Compatibility Option

MicroWay's flickerFixer Genlock Compatibility Option allows simultaneous operation of the flickerFixer and most external NTSC genlocks. It is a small module that piggybacks onto the flickerFixer board. Compatible with SuperGen, AmiGen, and other popular genlocks. \$25.00

*MicroWay, P. O. Box 79, Kingston, MA 02364, (508) 746-7341*

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# Video Hardware

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## ❖ ❖ ❖ FRAME BUFFERS ❖ ❖ ❖

### ACS Harlequin 32 Bit FrameBuffer

The ACS Harlequin 32-bit framebuffer provides broadcast quality RGB output. All models offer a number of resolutions including: three resolutions (NTSC version)—740 x 486, 832 x 486, 910 x 486; PAL Version—740 x 576, 832 x 576, 910 x 576. Genlockable signal, full Overscan, Interlace, and Non-interlace displays supported. Four models are available providing options for double buffering, Alpha channel for linear keying plus digital key output. For Amiga 2000 or 3000. UK Sterling from £1095. *Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583*

### DCTV

DCTV is a revolutionary new video display and digitizing system. DCTV creates a full color NTSC display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit high resolution images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full NTSC color. \$495.00 *Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

### FrameBuffer/Amiga

Allows display of Amiga graphics files up to 24-bit RGB/746 x 484 as composite video signal. Also captures video realtime/full color. Works with 3-D Professional, Art Department Pro, Calgary, Sculpt 4-D, Turbo Silver, and more. \$695.00 *Reliable Communications, Inc., 4868 Hwy. 4, P.O. Box 816, Angels Camp, CA 95222, (800) 222-0042*

### ◆ GDA-1 Hi-Res 256 Color Graphics Cards

The GDA-1 is a color frame buffer designed for ease of programming. Software switchable resolutions 640 x 480, 800 x 600, 1024 x 768, all non-interlace. 256 colors from a palette of 16 million. Includes software for displaying GIFs and Amiga screens. For A2000/3000/3000T. Zorro II compatible. \$749.00 *Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## ❖ ❖ ❖ GENLOCK ❖ ❖ ❖

### A2300 Genlock

Fits in the A2000's video slot, allows the user to combine the A2000 video display with output from a VCR, video camera, or laser disk. Combined display may be viewed on an Amiga RGB monitor. Titles, captions, and multi-layered effects may be viewed on videotape. Suitable for semi-professional (non-broadcast) environment. Available in both NTSC and PAL versions. \$169.00 *Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ACS Harlequin Genlock

A genlock that has been designed specifically for use with the 32-bit Harlequin Framebuffer, providing full broadcast studio requirements for your Harlequin system. With a video mixer and Harlequin Genlock, you can now combine full-color images with your studio, or link up with any other source. Requires an Amiga 2000/3000 fitted with the Harlequin Framebuffer. NTSC/PAL. UK Sterling £175 for the basic unit. *Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583*

### ACS Harlequin Genlock with Composite

A genlock that has been designed specifically for use with the 32-bit Harlequin Framebuffer, providing full broadcast studio requirements for your Harlequin system. With a video mixer and Harlequin Genlock, you can now combine full-color images with your studio, or link up with any other source. Includes a monitoring encoder giving a BNC composite video output allowing a composite signal to be viewed on a monitor. Requires an Amiga 2000/3000 fitted with the

Harlequin Framebuffer. NTSC/PAL. UK Sterling £620.

*Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583*

### AmiGen

Low-cost genlock allows Amiga to synchronize with any external video system, and overlays computer graphics. Easy to operate! \$199.95 *Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117*

### AmiGen Video Titling Kit

Complete solution for Amiga owner interested in exploring desktop video. Kit includes Amigen with enhanced video output, Credit Text Scroller titling software, and two video cables. \$249.00 *Reliable Communications, Inc., 4868 Hwy. 4, P.O. Box 816, Angels Camp, CA 95222, (800) 222-0042*

### ◆ ChromaKey+

Allows video on video, or video on graphics. Works with the Video Toaster's keyhole effect for complete control through the Video Toaster. Cables provided for standard Amiga genlock usage or for Video Toaster. New version has higher video bandwidth, special Chroma separator circuit for standard video, and separate Chroma input for SVHS sources. A new linear key output is provided for the Video Toaster, along with a 1-volt, 75-ohm terminated or 5-volt TTL hard key output. \$395.00 *MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

### OmniGen 701/702

This genlock system for the Amiga is available for both NTSC/PAL standards. Designed primarily for professionals and broadcast applications. Character generator, custom background generator, Genlocked Teleprompter, 23-pin D SUB in/out connectors with a cable designed for interfacing. Will lock to incoming video or black burst. Also has its own internal sync pulse generator. Adjustments include 360-degree chroma phase, full SC/H Phase control. Models 701 (NTSC) and 702 (PAL) feature composite in and out and S-VHS output. \$1950.00 *Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311, (818) 700-0742*

### OmniGen 711/712

Same as the above models, but the 711 (NTSC) and 712 (PAL) have full S-VHS input and output (as well as composite). \$2850.00 *Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311, (818) 700-0742*

### OmniGen 721/722

These models (721—NTSC and 722—PAL) have all the same features of the OmniGen line but are usable on all formats. The units can be used with any professional or non-professional system as they contain inputs and outputs for all formats: composite; S-VHS, Hi-8mm, Beta-ED, 3/4-inch, 1-inch, BetaCam, M2 and more. \$3950.00 *Omicron Video, 21818 Lassen Street Unit H, Chatsworth, CA 91311, (818) 700-0742*

### RG300C ROCGEN

This is an external Genlock with auto video pass through. There is a manual dissolve function for overlay and fade-in, fade-out. Also features external power option. The Genlock works with A1000, 500, 2000, 2500, 3000 models. The Genlock outputs quality signal for most application environment. No longer available in U.S.; replaced with RG310CN RocGen Plus. PAL format available in Europe.

*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

### ◆ RG310CN RocGen Plus

This is the second generation genlock released by RocTec Electronics. It offers features such as independent manual dissolve control on RGB and video signals, separate RGB and video pass-thru, special key-in port for chroma key connection and automatic power sensing. Available in NTSC and PAL versions. \$379.00

*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

### RM-2B Professional Genlock For Amigas

The RM-2B is a 19-inch, rack-mountable, professional genlock subsystem and NTSC encoder for the Amiga. It contains a sync generator and full-field color bar generator. A key/mix mode switch and mixing pot is optional, as is a color subcarrier phase adjustment. The RM-2B is used by NASA for its high-resolution Shuttle cameras. For a nominal charge, older RM-2 models can be refurbished at the factory to upgrade them to the performance level of the B version. \$2995.00 *GlennLoc Corporation, 3903 Carolyn Avenue, Fairfax, VA 22031, (703) 273-5663*

### SuperGen

Genlock and overlay device. Independent dissolve controls, two overlaid outputs, switchable notch filter, accurate lock to VCR output. RGB decoder for true Amiga colors. \$749.95

*Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

### SuperGen 2000S

A true Y/C (S-VHS, Hi-8, ED-BETA) compatible genlock and overlay card for the A2000 series. SuperGen 2000S installs into the video slot of an A2000 or A2500. A built-in processor amplifier allows software control of horizontal position, vertical position, video color saturation, and 360 degrees of chroma phase. \$1995.00

*Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

### The VT Genlock Enhancer

A VideoMaster accessory. VideoMaster/Video Toaster co-existence on Amiga 2000/2500. \$50.00 *VidTech International, Inc., 2822 NW 79th Avenue, Miami, FL 33122, (305) 477-2228*

### Video Blender

The Video Blender features video switching, luma-keying, genlocking, local color generation in 16 million colors, video fading/wiping, and stereo audio mixing. It is an external, self-contained unit with power supply. It provides black burst out for studio and professional video applications, and provides 'key in' for external chroma-key and special video devices. No time-based correctors required. Video Blender comes with MixMaster software, which provides a paint program and wipe script generator to create simple or advanced wipes with full control of speed, direction, and other wipe parameters. In addition, the package includes interface control software, a power supply, cables, thoroughly illustrated manual with examples, and a VHS tutorial videotape. \$1495.00

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### VideoMaster

An integrated desktop video system for all Amiga computers. Video Master genlocks the incoming composite (NTSC or PAL) or S-Video to the Amiga graphics. The genlocked video production is produced in all video formats as well as RGB for the best quality graphics. A built-in RGB splitter is included for direct connection to a digitizer including a compatible interface to Digi-View Gold 4.0. A special effect generator is also built in for horizontal, vertical, circle, and inverted wipes - automatically timed or manually controlled. All controls (vertical interval switches, fade bar, wipe bar, and RGB splitter) are front panel fingertip controlled. NTSC or PAL. \$1295.00 *VidTech International, Inc., 2822 NW 79th Avenue, Miami, FL 33122, (305) 477-2228*

### miniGEN

RS-170A, broadcast-quality genlock for all Amigas. Three-position toggle switch for controlling graphic modes. \$224.95 *Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

## ❖ ❖ TIME BASE CORRECTORS ❖ ❖

### DPS Personal TBC II

Infinite window plug-in TBC card compatible with Amiga 2000 series and all IBM PC and other ISA bus computers. Software control of proc. amp, timing, and color balance. ARexx support. NTSC or PAL. \$995.00 *Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

# Video Hardware

## DPS-220 TBC/Synchronizer

Infinite window, broadcast-quality TBC/ Synchronizer with full 6MHz bandwidth in all modes. Field/frame freeze and optional AUTODOC-3-D drop-out compensation. \$2995.00  
*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## ◆ DPS-230 Component Transcoding TBC

Features include infinite window memory, NTSC and S-video inputs and outputs, full 5.5-MHz bandwidth in S-video mode, freeze frame and field (field selectable 1-3), variable strobe, digital processing amplifier controls with non-volatile memories, digital color balance controls, Y/C delay adjustments, horizontal position control, advance sync output, and RS-232 remote control. Genlockable. \$1995.00  
*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## DPS-295 TBC/Transcoder

Component TBC with NTSC, Y/C 3.58, Y/C 688 dub inputs and NTSC, Y/C 3.58, Y/C 688 dub, Y/R-Y/B-Y (MII or Betacam) outputs. \$5495.00  
*Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090*

## IVT-7

The IVT-7 is a 4:2:2 digital processing Time Base Corrector with an infinite correction window. It uses state-of-the-art I.C.s to provide high performance processing at low cost. Its full-frame memory enables satellite feeds and domestic type VCRs and camcorders to be input on a single input connector without sync hook up. Features include frame and field freeze, 5.5MHz bandwidth on component, built-in RS-170A sync generator with genlock input and BB output, bypass/operate switch, and switchable auto-freeze for signal loss. \$2995.00

*I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-IDEN*

## InSync TBC

Time base corrector with TV frame synchronization. Features onboard microprocessor allowing full control of each board from an Amiga interface. Inputs include two composite, one SVHS, and one Black Burst. Outputs include one composite, one SVHS, and one Black Burst. NTSC/PAL compatible. Requires A2000, A3000 with 1MB of memory. \$1299.00

*Expert Systems, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690*

## Kitchen Sync

The Kitchen Sync completes your video installation. Completely synchronize not one, but two independent video sources for use with virtually any switcher or digital video effects system requiring synchronous video inputs. Two complete time-base correctors on one card that can plug into any IBM AT compatible slot. S-VHS and Hi-8 compatible. Complete 100% accurate sync generator built in: totally regenerates all sync and blanking signals; guaranteed 100% accurate S/CH phase relationships. Optional genlock—required to synchronize the Kitchen Sync to any external video source. Great for use with the Video Toaster. \$1895.00

*Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

## Spectrum 1000C

This is a low-priced stand-alone composite digital two-channel A/B Roll Frame Synchronizer + two infinite window Time Base Correctors. It also includes two independent sets of proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility, these effects can be bypassed. It features 8-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS) and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer and industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Permits displaying/transitioning between two VCRs or VCR/camcorder-camera,

etc. \$1850.00  
*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## Spectrum 1000SC

This is a low-priced stand-alone S-VHS/composite digital two-channel A/B Roll Frame Synchronizer + Transcoder with two infinite window Time Base Correctors. It also includes two independent sets of proc amp controls (hue, video gain, chroma saturation, black pedestal set up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility these effects can be bypassed. Features 4:2:2 sampling, 8-bit processing, digital comb filter (passes VITS, VIRS), and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer and industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Permits displaying/transitioning between two VCRs or VCR/camcorder-camera, etc. \$2695.00

*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## Spectrum 500C

This is a low-priced single-channel infinite window composite digital Time Base Corrector + Frame Synchronizer. It features 8-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$850.00  
*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## Spectrum 500SC

Single-channel infinite window S-VHS/composite digital Time Base Corrector + Frame Synchronizer + Transcoder. It also includes freeze frame/field with adjustable-rate strobe. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$1295.00

*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## Spectrum 750SC

Single-channel infinite window S-VHS/composite digital Time Base Corrector + Frame Synchronizer + Transcoder. It also includes proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. It is compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$1895.00

*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## Spectrum 850QC

This is a four-format single-channel infinite window digital Time Base Corrector + Frame Synchronizer + Transcoder that allows color full motion video from VCRs, camcorders, and laser disc players to interface with computers—for a variety of multimedia and video compression applications. The four formats included are RGB and three video standards—NTSC composite, S-VHS/Hi-8, and component Y/R-Y/B-Y. It also includes proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility, these effects can be bypassed. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. It's compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$2000.00

*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## Spectrum 900C

A low-priced two-channel infinite window composite digital Time Base Corrector + Frame Synchronizer. It features 8-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Particularly popular with the Toaster since it permits interface and transitioning between two VCRs or camera/VCR, etc. \$1450.00

*Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844*

## TBCard

Designed as a plug-in card for the Amiga, the TBC may be used as an input source for such devices as Newtek's Video Toaster. The unit will be full frame, and will use component processing, producing a wide bandwidth of 5.5 MHz. This bandwidth will enable time base correction of high resolution VCR signals, such as Super VHS, Hi-8 and U-matic with maximum signal fidelity. The TBCard will be fitted with genlock. Suitable for mid-to low-end applications, the TBCard accepts Y/C and composite signals. K factor will be <2%, S/N 56dB and DG/DP-2%, 2deg. Proc amp control and system timing are available through external desktop control box adjustments on the front of the board. \$995; \$1130 for TBCard bundled with TR-7 Remote. \$995.00

*I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-IDEN*

## TBCard PLUS

Designed as plug-in cards for the Amiga, the TBC may be used as an input source for such devices as Newtek's Video Toaster. The unit will be full frame, and will use component processing, producing a wide bandwidth of 5.5 MHz. This wide bandwidth will enable time base correction of high resolution VCR signals, such as Super VHS, Hi-8 and U-matic with maximum signal fidelity. The TBCard PLUS will be fitted with genlock. The TBCard PLUS has a wider range of inputs and outputs than the TBCard, with 4:2:2 processing making the unit more suitable for mid- to high-end applications. Inputs include composite, Y/C, component (R-y, B-y, Y), RGB/Sync and DOC. Outputs include Y/C, composite, and component. Proc amp control and system timing will be accessible from an exterior box. All proc amp controls will have presets. An optional main frame with power supply will be available. Price TBA.  
*I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-IDEN*

## ◆ TR-7 Remote

For use with TBCard. Puts the controls in your hands, without exiting Video Toaster or other desktop video systems, adding more submenus, requiring a bridge board, or requiring additional memory. Includes full proc. amp making available control of video level, setup, chroma level, and hue; freeze field or frame, and timing adjustments. \$195.00

*I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-IDEN*

## ❖VIDEO PRESENTATION❖ SYSTEMS

### AdVISION™

Advanced Amiga based advertising channel or electronic billboard system. Includes full production station and complete remote player system, production software, training, and installation. Additional remote player systems may be added to create a network of systems playing similar or unique programs. Ideal for cable advertising channel, hotels, ports of call, malls, etc. Under \$20,000.

*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

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# Video Hardware

## IR Remote Controller

The learning-type IR Remote Controller comes with software to enable any VCR, with INDEX or GOTO searching, to act as a CD-ROM, using any database. There are interfaces for AmigaVision, Deluxe Video, Microfiche Filer, and a general ARexx interface for any other program. Free source code for developers. It controls one or more IR devices. Uses: desktop presentations and full-motion video databases. Sample for AmigaVision provided. Money back guarantee. NTSC or PAL. Uses parallel port. \$200.00

Edu-Vid Research, P.O. Box 149, Pembina, ND 58271, (204) 668-2062

## IllumiLink 3.0

The IllumiLink is similar to the AirLink, but has the added capability of turning any wireless phone or other touch tone (DTMF) source into a remote Amiga command center. Great for live multimedia presentations. Use it as a remote mouse. It connects to the second mouse port and contains an IR receiver, IR transmitter, and DTMF tone decoder. Phone keys may be programmed for mouse mode, mouse/menu/key selections, ARexx, MIDI, serial bytes, parallel signals, or IR commands. Works as an Amiga interface for 'security gate' keypads. Use a wireless phone as a

highly reliable remote controller for your Video Toaster or other multimedia presentation system. \$100.00  
Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

## Video Toaster System

The Video Toaster System brings the awesome power to create network quality television to your desktop. Eight separate pieces of expensive video gear have been combined into one complete desktop production system. This all-in-one broadcast studio includes a four input production switcher which has two frame buffers and a color background generator; the power to manipulate live broadcast video in real-time, with digital effects such as flip, warp, whips, zoom trails, mirrors, trajectories, and many more; lightwave 3-D animation, which offers high-end capabilities previously found only in dedicated graphics workstations. Everything from flying logos and sports graphics to the most sophisticated effects seen on MTV. Other features include Toaster Character Generator which has 16.8 million colors, 30 standard anti-aliased fonts, 24-bit smooth color gradations, variable speed scroll and crawl, and much more; ToasterPaint allows you to create original artwork and network quality videographics; dual frame buffers allow Toaster effects to be done between live video and either buffer, as well as between the buffers themselves; ChromaFX is a powerful color processing engine capable of producing color negatives, monochrome, solarization, posterization, color vignettes, custom lighting, tinting, and photographic filter effects; Frame Grabber/Frame Store can grab and save a full resolution television frame and has sophisticated motion removal algorithms to provide a rock-solid freeze frame. The Toaster System is unique in that new effects and capabilities can be added with inexpensive software updates on disk. \$3995.00

NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146

## VideoShare

Remarkable new system designed specifically for instructional use. Perfect for seminar and classroom applications, VideoShare allows a source computer's video signal to be re-broadcast to each monitor connected to the system. At the touch of a button, an instructor can truly captivate an audience. System requires no drivers or support program; transparent to all software and hardware. In no way interferes with normal computer operations. Supports all Amiga and VGA video modes; also supports most other analog RGB-type video signals. NTSC/PAL/SECAM as well as custom video systems/configurations. One-year warranty. \$429.99

Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553



# At Last! Peer to Peer Networking for the Amiga!

Interworks introduces its Ethernet-based Distributed File System, for the Amiga. ENLAN-DFS is an Ethernet based peer-to-peer LAN solution for the Amiga. You get powerful **disk, file and peripheral sharing** that until now was only available on other personal computers.

ENLAN-DFS is just right for connecting your workgroup of Amiga systems, whether it's two or twelve or more!

**No dedicated server** is required: any system can publish its resources and they immediately become available to the rest of the group.

- Share disk volumes, directories, and files. Everyone can access the same common files and **eliminate sneaker-net**.
- Share your peripherals. That expensive laser printer can now be shared by everyone on the network
- Assign passwords and/or allow read-only access to protect system files and applications.
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# Accelerators

## ❖ ACCELERATORS GENERAL ❖

### ◆ 33MHz Fusion-Forty

A redesigned Fusion-Forty for the A2000. Expandable (onboard) up to 128MB using a 64-bit wide access path. Redesigned floating-point package included. Compatible with all 3-D packages, especially the Video Toaster. Requires 68040, SIMM modules, (2091, Nexus, Trumpcard Pro, GVP II, Supra II, ICD). Price and availability TBA.RCS Management Inc., 120 McGill Street, Montreal, Quebec, Canada H2Y 2E5, (514) 871-4924

### ◆ A2000-Combo030 25/25/1

An internal processor/accelerator board for the A2000 includes: 25MHz 68030 microprocessor with built-in MMU and a 25MHz 68882 floating-point math coprocessor. Comes installed with 1MB of factory-installed 60ns 32-bit RAM, user expandable to 16MB. Optional kit allows a hard drive to be mounted directly onto the board. \$1099.00. Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### ◆ A2000-Combo030 40/40/4

An internal accelerator board for the A2000. This system includes built-in SCSI controller, 40MHz CPU, 68882 FPU, and 4MB of 60ns 32-bit wide RAM. It is user expandable to 16MB. An optional mounting kit allows a hard drive to be mounted directly onto the board. Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### A2630/4

A Motorola 68030-based accelerator board for the A2000 series computers which features a 25MHz MC68030 microprocessor, a 25MHz MC68882 math coprocessor, and a 68851 memory management unit. Comes standard with 4MB of 32-bit memory, and provides the professional Amiga user with a dramatic performance increase for math-intensive applications such as 3-D solid modelling or visualizations. \$1799.00. Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### ◆ A500 GVP/PC286

This 286 PC emulator allows the A500 to run MS-DOS and its applications concurrently with AmigaDOS applications. The GVP/PC286 plugs directly into the internal mini-slot expansion connector of the GVP Series II A500HD8+ hard drive/RAM add-on subsystem. 512K of fast memory (DRAM) is included for exclusive use by MS-DOS applications. Amiga memory can be allocated and transparently mapped into the 80286 CPU memory space for MS-DOS applications using more than 512K. Other emulations include Hercules, CGA, EGA/VGA (monochrome only), and Toshiba 3100. Parallel port, serial port, sound, real time clock, CMOS RAM, and even extended memory are supported. MS-DOS not included. \$425.00. Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### AdSpeed

Low cost, full featured 14.3MHz accelerator for all 68000-based Amiga computers. AdSpeed provides noticeable improvement by using an intelligent 16K static RAM instruction/data cache. Simple, no-solder installation, hardware and software selectable speed change at any time. \$209.96. ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700

### ◆ AdSpeed/IDE/40

Combining the accelerating power of AdSpeed and the high performance hard drive interface of AdIDE, AdSpeed/IDE gives you a compact, inexpensive package to address your expansion needs. The accelerator doubles your clock speed and provides 32K of high speed static RAM for data/instruction caching. You can switch speeds whenever you want! No other accelerator offers so much for such a low price. And the hard drive interface provides outstanding performance. AdSpeed/IDE/40 is for the Amiga 2000 and most standard IDE (AT) drives. Fits underneath CPU chip, using no slot. Includes 40-pin IDE cable and instructions. \$359.96. ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700

### ◆ AdSpeed/IDE/40 Kit

Combining the accelerating power of AdSpeed and the high performance hard drive interface of AdIDE, AdSpeed/IDE gives you a compact, inexpensive package to address your expansion needs. The accelerator doubles your clock speed and provides 32K of high speed static RAM for data/instruction caching. You can switch speeds whenever you want! No other accelerator offers so much for such a low price. And the hard drive interface provides outstanding performance. AdSpeed/IDE/40 Kit is for the Amiga 500 and allows you to replace the internal floppy drive of the computer with a Quantum hard drive (not included). All cabling and mounting hardware are provided, as well as a Shuffleboard to make your external floppy drive DF0. \$389.96. ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700

### ◆ AdSpeed/IDE/44 Kit

Combining the accelerating power of AdSpeed and the high performance hard drive interface of AdIDE, AdSpeed/IDE gives you a compact, inexpensive package to address your expansion needs. The accelerator doubles your clock speed and provides 32K of high speed static RAM for data/instruction caching. You can switch speeds whenever you want! No other accelerator offers so much for such a low price. And the hard drive interface provides outstanding performance. AdSpeed/IDE/44 Kit is for the Amiga 500 and includes special hardware for mounting a 2.5-inch hard drive (not included) inside the computer. \$389.96. ICD Incorporated, 1220 Rock Street, Rockford, IL 61101-1437, (800) 373-7700

### Animate Turbo Board I

This standard accelerator board is a replacement for the MC68000 processor. On board you have the 68020 and the 68881 or 68882 processors giving you turbo power. With 68020 and 16MHz 68881. \$459.00. Advanced Computer Design, Carl Schurz-Str. 11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Animate Turbo Board II

Nearly the same as the ATB I, with one major difference. Now you can switch between the 68020 and the 68000 processor. That gives a total of three processors on one board. Useful for those who are using some of the few programs that refuse to run with the 68020, or want to play games at normal speed. With 68020 and 16MHz 68881. Advanced Computer Design, Carl Schurz-Str. 11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Animate Turbo Board III

Designed for the A2000. Fits into the A2000 MMU slot and is the first board for the Amiga that comes with the option for up to 4MB of 32-bit static RAM on-board. With 68020 and 16MHz 68881. Advanced Computer Design, Carl Schurz-Str. 11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### ◆ Blizzard Board

Blizzard Board is a low cost combination accelerator and memory expansion unit for the Amiga. Unit comes with 14MHz 68000 processor which provides for up to 200% faster operation. Unit also supports up to 8MB extra system memory. Special shadow mode allows Kickstart to reside in special memory which operates at 14MHz. Price stated is for 2MB memory. \$299.00. Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191

### ◆ DKB 2632

A 32-bit memory expansion board for the A2500/A2630 accelerator card. Allows 32-bit memory beyond 4MB. The board is expandable to 112MB using 32-bit wide SIMM modules. Allows use of different size memory modules in one bank. The 2632 RAM is faster than the RAM on the 2630 card and has full Burst mode support. Excellent for use in video graphics, animation, and publishing applications. Requires A2000 with CBM 2630 accelerator. Price stated is for 4MB. \$699.95. DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750

Please see display ad page A.

### Fusion-Forty

The Fusion-Forty is a 28MHz 68040-based accelerator for the Amiga 2000. The unit performs over 31,000 Dhrystone. The unit is expandable on board to a maximum of 32MB of 32-bit RAM. Users of the Fusion-Forty should expect to see major performance increases in integer and floating point processing over current 68030-based Amigas. It comes with a hardware switch to enable you to return to your own system. It is 3-D graphics and VideoToaster compatible. Works with most SCSI drives. Prices: 0MB—\$1400, 4MB—\$1600. \$2995. RCS Management Inc., 120 McGill Street, Montreal, Quebec, Canada H2Y 2E5, (514) 871-4924

### G-Force 030 A2000 Combo 50/50/4

A 50MHz 68030 accelerator with a built-in SCSI controller and 32-bit wide DRAM on a single card. It comes standard with 4MB of 60ns RAM and is user expandable to 16MB. Features icon-based software which allows the user to fall back to the 68000 mode. Optional kit allows a hard drive to be mounted directly onto the board. \$1799. Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### G-Force 040 Board

The G-Force 040 Board is a high performance 68040 CPU accelerator for the Amiga A3000 and the A3000T. Features include 68040 CPU running at 28 MHz; MMU, FPU and separate 4Kbyte data and instruction caches providing 22 MIPS workstation performance. 3.75 MFLOPS double precision floating-point performance. Up to 8MB of very high speed 40ns, 32-bit wide, non-multiplexed, DRAM. \$2799. Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### ◆ Mercury 040/3000

28MHz 68040 accelerator for all A3000's. Expandable to 32MB onboard 32-bit RAM with standard SIMM modules, 1MB x 8 or 4MB x 8. 80ns, 60ns, or 33MHz/40ns; faster performance with faster RAM. Upgradable to 33MHz or 40MHz 68040 CPU. Supports RAM bursting with page and static column RAM, onboard and offboard RAM. Includes FASTROM and other utility software. Compatible with most hardware and software (Video Toaster, Imagine). Requires A3000, 16MHz or 25MHz, A3000 tower, AmigaDOS 2.0 in ROM. Easy to install. \$2599.95. Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### ◆ Progressive 040/2000

28MHz 68040 accelerator for all A2000's. Asynchronous design is over 23 times the speed of a standard 2000; about four times the speed of a 25MHz 3000. Compatible with AmigaDOS 1.3, 2.0, the Video Toaster, Imagine, and many other software/hardware products. Expandable to 32MB of 32-bit RAM. 68000 mode available from software (no jumpers needed). 0MB, \$2260; 4MB \$2430. \$2260. Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### ◆ Progressive 040/3000

25MHz 68040 accelerator for 16MHz and 25MHz A3000 computers. Uses 32-bit RAM on A3000 motherboard. Over four times the speed of a standard 25MHz A3000. Software switchable from 040 to 030 mode (25MHz system only). Requires AmigaDOS 2.0 in ROM. Compatible with Video Toaster, Imagine, and many other software products. For A3000 or A3000T. \$1795. Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### Sapphire 68020/68881 Accelerator

12MHz 68020 and 68881 accelerator card. Fits all Amiga models (A1000, A500, A2000) and requires no software to run. Increases performance 2.4 times integer, 3.2 Floating Point. One Year Warranty \$249.95. TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

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## ❖ GENERAL HARDWARE ❖

### ◆ A3000 PAL/NTSC Switch

Allows A3000 owners to easily choose between NTSC and PAL video modes by flicking a switch. Very useful when using software that was developed in Europe specifically for European Amigas and vice versa. \$15.95  
*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232, (813) 378-5477*

### ◆ A500 HD 150DL Power Supply

Developed to meet the demand for replacement power for the Amiga 500. For owners who are planning to expand their machines, run a BBS, or need a better quality replacement power supply. Output specifications: +5V at 14A, +12V at 6A, -5V at .5A, -12V at .5A. \$179.95  
*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232, (813) 378-5477*

### ◆ Both Worlds ROM Selector

Easy. Select one of two ROMs by simply holding down the CTRL Left-Amiga, Right-Amiga keys for more than 5 seconds; the alternate ROM is selected. If you repeat the operation, the main ROM is again selected. Works on all revision motherboards for the A500 and A2000. Also has jumper for older versions of the A500/2000 motherboards. No soldering required. \$59.00  
*Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511*

### DataFlyer 500 Power Supply

The DataFlyer 500 power supply is a 30-watt switcher supply which will accept all domestic and international input currents. It mounts internally and comes complete with all cables, hardware, and easy-to-follow instructions. \$89.95  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

### DataFlyer Rail Kit

Used on the DataFlyer 2000 to extend the drive behind the interface. Comes complete with all hardware. The drive can also be mounted on the rear of the interface without the Rail Kit or any extra hardware. \$26.95  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

### ◆ ECE Super Port Tester

Tests all Amiga external ports for proper operation and disk drives for read/write operation. Quickly tests the serial, parallel, joystick, video, and disk drive ports using intuitive graphic software. Completely mouse driven. \$99.00  
*Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511*

### Power Supply

Fully compatible replacement power supplies for your A500, C128, or Commodore 64. All power supplies are fully guaranteed against all defects and compatibility. Prices: A500—\$79.95; C128—\$99.95; C64—\$37.95.  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

### SecureKey

Internal device for the Amiga A2000 and A3000 that allows you to enter in one code for system access. Once installed, your system cannot be accessed without this code. You can't boot off the floppy or break out of the start-up sequence. This protects your system and harddrives for unauthorized use.

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

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## ❖ BACK UP HARDWARE ❖

### A3070 150MB Tape Drive

Uses an industry standard 24-track QIC format (CDC 600). This ensures the ability to backup contiguous data up to 150MB. The 3070 Tape Drive is a low profile design which is matched in color and design to the Amiga 3000UX. \$1099.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### FileRunner™ Streamer for use with any Amiga

External Streamer sub-system for use with any Amiga. 60MB, 150MB, 230MB, and 1GB available. Tested with the Amiga 3000. Comes with its own power supply and fits under the monitor.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### Mr. Backup Professional Kit

Full-featured hard drive backup kit. Includes Wangter SCSI 150MB tape drive, cartridge cable, software offers full backup modes to tape, four floppy drives or any other AmigaDOS release 2 device. Has full ARexx capability and selectable 12-16-bit compression. \$699.95 internal, \$949.95 external.

*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

### Synchro Express

Synchro Express is a powerful disk copier, giving you the facility to back up disks using the MFM/TTL techniques used by commercial duplicators. In most cases, copies in under 50 seconds. \$69.99  
*Coast to Coast Technologies, 580 Cape Cod Lane, Ste. 3b, Altamonte Springs, FL 32714, (407) 788-8377*

## ❖ BRIDGEBOARD ❖

### ◆ 80386 20-MHz Bridgeboard Enhancer

A very small module that replaces the 80286 CPU chip in the Amiga A2286 AT bridgeboard. Kit needs no cutting or soldering, requires only 15 minutes to install; completely reversible (why would you ever want to reverse it?). Completed board uses no additional slots. Will work with an 80287 math chip and provides a Norton processor speed of about 20.7. Has proven power and quality over several months of in-field testing. \$449.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077, (216) 352-8471*

### A-Max II

Now handles most major Amiga hard drive controllers to give full hard drive support during Macintosh emulation with both Amiga and Mac hard drives. A-Max II also supports other standard SCSI devices, such as the LaserWriter IISC and scanners, through compatible Amiga hard drive controllers. Other new features include improved handling of Amiga accelerator boards with MMUs to give increases of up to five times normal speed, and the ability to play Macintosh digitized sounds during emulation. \$199.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

### A-Max II Plus

A-MAX II Plus is an Amiga 2000/3000 internal card that provides Macintosh compatibility plus Appletalk network compatibility, two Macintosh serial ports, MIDI compatibility and the ability to read, write, and format Macintosh disks on standard Amiga disk drives. You supply 128K ROMS. \$499.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

### ◆ A2000 Bridgeboard Speaker

Gives the PC emulators the gift of sound. Comes with all needed mounting hardware. Installs in minutes in any A2000 with basic household tools. \$19.95

*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232, (813) 378-5477*

### A2088D Bridgeboard

Provides 8088 coprocessor system with IBM™ PC/XT compatibility to bridge the Amiga and MS-DOS worlds. Plug into one of the combined Amiga and PC system bus slots to run IBM PC-compatible software while running Amiga tasks. Comes with external 5.25-inch drive. Up to three external floppy drives; three IBM-compatible full-size slots available for hard disk controller, communication adapter, and graphics adapter. Software: MS-DOS®, GW BASIC® 3.2. Fast dual port memory, full speed CPU access during system DMA. \$462.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### A2286

Bridge the Amiga and MS-DOS worlds. AT Emulator kit comes with internal 1.2MB 5.25 inch disk drive. \$754.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ ALF-PC-SCSI

Fastest 8-bit SCSI controller for the PC side of the Amiga. Automatically detects hard drives, CD-ROMs, removable drives. No drivers required. After performing FDISK and Format, any SCSI drive will work. For any Amiga with bridgeboard. English/French/German manual. Workbench 2.0 compatible. \$112.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*



# Miscellaneous Hardware

## Bridge Drive Commander+

Gives all Bridgeboard owners direct access to all built-in and add-on Amiga floppy drives from the bridgeboard (as 720K drives), and direct access to 360K and 720K IBM-compatible drives from AmigaDOS. Bridgeboards can boot from 3.5 inch Amiga drives. Requires no software or memory, and attaches to the internal floppy drive connector rather than taking up a slot. Disk access is fully transparent and automatic. Floppies are completely usable by other Amiga and IBM-compatible computers. Allows low-cost IBM drives to be used as Amiga external drives. DFI can be made external. Compatible with all software, hard disks, accelerator boards, etc. \$97.50  
*MJ Systems, 1222 Brookwood Road Dept. 10A, Madison, WI 53711-3118, (800) 448-4564*

## ◆ Bridgeboard AnyRam Card

A RAM card that fits in a 16-bit Amiga Bridgeboard slot and is compatible with A2286 AT Bridgeboard. Can be expanded up to 8MB. Will configure as any kind of PC RAM including expanded, extended, LIM, shadow, etc. Can be configured with multiple partitions of different kinds of RAM in different quantities. Sold with OK RAM. SIMM modules available at current competitive pricing. Technical manual included. Requires A2000/A3000 with A2286 Bridgeboard. \$229.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077, (216) 352-8471*

## ◆ Bridgeboard Combo Drive

A 5.25-inch half-height drive that has both 3.5- and 5.25-inch slots. Connects with standard A2286 Bridgeboard disk drive cable and Amiga power supply cable. Drive will read, write, and format all formats up to 1.44MB, including 360K, 720K, 1.2MB, and 1.44MB diskettes. Fits perfectly in A2000 5.25-inch front bay. External box with power supply available at additional cost for A3000. Technical manual included. Requires A2000/A3000 with A2286 Bridgeboard or ATonce. \$199.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077, (216) 352-8471*

## ◆ Bridgeboard Math Enhancer

A small module that fits in the A2286 AT Bridgeboard math chip socket. Includes a 20MHz 80287 math chip and adapter module which allows the chip to run at a full 20 MHz for a 900% increase in math computation speed. Simple installation takes only 15 minutes, without cutting or soldering. Compatible with standard A2286 Bridgeboard or with ATOP's 80386 20MHz Bridgeboard. No software needed, auto-configures into the setup. Includes bridgeboard manual. Requires A2000/A3000, A2286 Bridgeboard. \$189.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077, (216) 352-8471*

## ◆ Bridgeboard Monitor Switch Kit

Kit consists of high quality A-B switch and custom-molded cables. Allows Amiga 1960 Multisync monitor (or any VGA monitor) to be used as a single monitor serving ATOP's Multifunction Card, and the VGA output from an A3000 or A2000 with an A2320 Display Enhancer board installed. Allows safe on-line switching without power-down. Requires A2000/A3000 with A2286 Bridgeboard or ATonce. \$59.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077, (216) 352-8471*

## ◆ Bridgeboard Multifunction Board

A 16-bit board that provides all the I/O Commodore forgot on the A2286 Bridgeboard in a single slot. 1MB VGA 1024 x 768 256 color graphics with VESA 72-Hz high-refresh option. Two RS-232 serial ports with selectable addresses/IRQ. One bidirectional parallel port with selectable addresses. IDE (AT) hard drive controller (supports two AT drives). Disk drive controller supports two drives of any format (3.5- or 5.25-inch). MicroSoft compatible bus mouse port with software driver (3-button mouse included). Features may be disabled with jumpers for maximum flexibility. Includes bridgeboard and technical manuals. Requires A2000/A3000, A2286 Bridgeboard, ATonce Plus, ATonce 386. \$299.00  
*ATOP, 11914 Girdled Road, Painesville, OH 44077, (216) 352-8471*

## Bridgeboard Speaker Kit

A low-cost, simple solution that enables the PC Emulator to speak. The Bridgeboard Speaker Kit comes complete with pre-assembled hardware, easy-to-follow, do-it-yourself installation instructions, and a full one-year warranty. \$24.95  
*Computers, Etc!, 4521-A Bee Ridge Road, Sarasota, FL 33583, (800) 634-5546 Orders*

## Display Enhancer Board (A2320)

De-Interlacing and Scan-Doubling Video Display Board providing non-interlaced video for display on multiscanning monitor. \$291.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Janus 2.0

Software upgrade for the Amiga XT and AT bridgeboards. \$34.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## vortex ATonce-Amiga v1.27

ATonce gives your Amiga 500 and Amiga 2000 a complete 80286 AT emulation, that includes an AT compatible BIOS, emulation of the parallel and serial ports, sound, EGA/VGA monochrome graphics, other graphics in color, hard disk support and integration of RAM expansions. When RAM expansions are fitted, the additional memory can either be used as DOS Base Memory and/or as Extended/Expanded Memory. Yet while running as a task within AmigaDOS, ATonce does not affect the normal operation of your Amiga and is totally transparent when not in use. Each ATonce is supplied with a high quality low power Motorola 68000 CPU, saving you time with the installation, providing a high degree of reliability, and leaving the original as a spare. ATonce is compact and easy to fit. It plugs directly into the 68000 CPU socket of the A500 or via the plug-in-adaptor in one of the Amiga slots of the A2000. No soldering is required. \$398.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821, (217) 356-1884*

## ◆ vortex ATonce-Classic v2.33

Gives your A500 and A500 Plus a complete 80286 AT emulation, including an AT compatible BIOS, emulation of the parallel and serial ports, sound, EGA/VGA monochrome graphics, other graphics in color, hard disk support, and integration of RAM expansions. When RAM expansions are fitted, the additional memory can be used either as DOS base memory and/or as extended/expanded memory. Yet while running as a task within AmigaDOS, ATonce-Classic does not affect the normal operation of your Amiga, and is totally transparent when not in use. Each ATonce-Classic is supplied with a high quality, low power Motorola 68000 CPU. Saves you time with the installation, provides high degree of reliability, and leaves the original as a spare. ATonce-Classic is compact and easy to fit. Plugs directly into the 68000 CPU socket on the A500 or A500 Plus. No soldering required. Supports Kickstart 1.2/1.3 and AmigaDOS 2.0. \$298.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821, (217) 356-1884*

## ◆ vortex ATonce-Plus

A high-performance AT-emulator with a 16 MHz, CMOS 80286-16 bit processor for the A500, A500 Plus, and A2000. It offers a Norton SI of greater than 16.2. It is supplied with 512KB vortex Emulator-RAM and a socket for an optional 80C287-12 math coprocessor. Without any additional RAM, ATonce-Plus makes 640 KB DOS memory available. Runs unrestrictedly in protected mode. Works with Commodore compatible hard disk systems that use an AmigaDOS compatible hard disk driver as well as with 3.5-inch/5.25-inch floppy drives with 720KB/360KB. \$448.00  
*vortex Computersysteme, Dist. by Micro-Pace Distributors, 604 North Country Fair Drive, Champaign, IL 61821, (217) 356-1884*

## ◆ ◆ ◆ CABLES ◆ ◆ ◆

### 6004-23

Switch Box, 2 position, D-23 connectors. Specify gender when ordering. \$30.00  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

### CA-23-MF/3

Three-foot extension cable D-23 male/female. \$16.00  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

### CA-23-MF/6

Six-foot extension cable D-23 male/female. \$18.50  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

### CA-4920 SCSI 2 Drive

SCSI, 50-pin flat ribbon, daisy chain. \$9.00  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

### D-23P

23-pin connector, solder type. Male. \$1.40  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

### D-23S

23-pin connector, solder type. Female. \$1.60  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

### DataFlyer SCSI Pass Through

Cable and DB25 connector to extend the SCSI pass through to the back of the DataFlyer 500 or the A2000 case. Plugs onto the DataFlyer interface. \$23.95  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

### ◆ P-NET Cable/Adapter

Parallel network cable or adaptor for use with The Software Distillery's ParNet by Mat Dillon FF400. Allows the connection of two Amigas as a network. \$24.95  
*Design Computer Systems Inc., 4132 10th Ave. N, Lake Worth, FL 33461, (407) 967-9222*

### Standard SCSI Cable- CA-4910

SCSI, 50-pin, flat ribbon cable. \$7.50  
*Benetech Electronic Supply, Inc., Route 1, Box 247, Canton, TX 75103, (903) 848-0435*

## ◆ ◆ ◆ CD-ROM ◆ ◆ ◆

### CDROM-FS

CDROM-FS version 702 enables Amiga owners to connect most SCSI CDROM drives to an Amiga with a SCSI interface. This software provides support for industry standard ISO 9660/High Sierra format CD ROM discs. It comes with clear, concise instructions, making it easy to install and use. \$50.00 Canadian. Requires A590, A2091, A3000, or Microbotics Hardframe GVP. \$49.95  
*Canadian Prototype Replicas, P.O. Box 8, Breslau, Ontario, Canada N0B 1M0, (519) 884-4412*

### ◆ CDx-650E

An external CD-ROM drive system in its own small enclosure. Includes CDx software disk, SCSI cable, disc caddy, and Xetec's 'Fish & More' Vols. I and II with over 650MB of freely distributable software including the Fred Fish library (up to #470). Also plays audio CD's with included software. Requires SCSI controller. AmigaDOS 2.0 compatible. \$599.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### ◆ CDx-650I

An internal CD-ROM drive system (5.25-inch format) for the A2000/2500. Includes the CDx software disk, audio and ribbon cables, disc caddy, and the 'Fish & More' Vols. I and II discs. Also plays conventional audio CD's. Requires SCSI controller. AmigaDOS 2.0 compatible. \$499.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

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## ◆◆ CDx-650LE

External CD-ROM drive system like the CDx-650E but in a larger enclosure with a 120/230-volt selectable power supply for international use. Requires SCSI controller. AmigaDOS 2.0 compatible. \$599.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## ◆◆ CDx-Driveless

Add a CD-ROM drive to make a complete external CD-ROM system. Includes chassis with power supply, CDx software disk, SCSI cable, discaddy, and 'Fish & More' Vols. I and II discs. Requires SCSI controller. AmigaDOS 2.0 compatible. \$150.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## Diamond Store 20

A remarkable innovation in removable media, the marriage of precision optical tracking and conventional magnetic storage to create an ultra-high capacity 3.5-inch Floptical(R) disk. And also read/write compatibility with standard 3.5-inch density and high density disks for AmigaDOS and MSDOS access. Getting the Diamond Store 20 is like getting a new hard drive with unlimited storage, but, you'll be able to back-up, or transport huge data files or image and sound files on a single shirt-pocket-size disk. \$599.95 for the internal kit; \$799.95 for the external Drive. All cables and one Floptical disk supplied. Requires an approved SCSI controller. Call to verify your controller.

*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## Diamond Store 600

Continuous read/write 600MB CD optical drives. Compatible with AmigaDOS and fast file system. 22ms access time. Internal and external available. Comes with cartridge, cable, and software. \$2999.95

*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## ◆◆◆ CHIPS ◆◆◆

### 1 Meg x 8 SIMM

SIMM modules for most memory boards that use SIMMs. Price is for 100ns. \$30.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

### ◆ 34010 Graphics Processor

The TMS 34010 Graphics Processor. \$10.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

### 68020-33

The 33 MHz 68020 for accelerator boards. Slower speeds are available at lower prices. \$55.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

### 68030RC-25

The 25 MHz 68030 for accelerator boards. Other microprocessors and support chips also are available. These are full 68030 Microprocessors with MMU. \$65.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

### ◆ 68040RC-25

The 25 MHz 68040 for accelerator boards. \$299.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

### 68881-33

A 33 MHz Floating Point Coprocessor for accelerator boards. Slower speeds are available at lower prices. \$50.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

### 68882-33

An upgraded 33 MHz Floating Point Coprocessor for accelerator boards. Slower speeds available at lower prices. \$80.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

## DRAMs and Video RAMs

Refurbished 1MB x 1, 256K x 1, 64K x 4, and 64K x 1 DRAMs and Video RAMs are available in DIP, ZIP, and surface mount packages at a fraction of new prices. All parts are guaranteed. Price and availability may change daily so call with your memory expansion requirements.  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

## Static RAMs

Refurbished Static RAMs and Pseudostatic RAMs are available in DIP and surface mount packages at a fraction of new prices. All parts are guaranteed. The 128K x 8 (1MB) Static RAMs in DIP packages or DIMM modules can be obtained for \$4. \$10.00  
*Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

## ◆◆ COMPUTER SYSTEMS ◆◆

### A2000C Amiga

Features Motorola 68000; 16/32-bit; 1 MB RAM standard (internally expandable up to 8 MB); 256 KB ROM (includes Kickstart 1.3). One-slot Amiga CPU bus; five-slot Amiga system bus with autoconfig feature; three-slot PC bus; one video slot. Keyboard with 10 function keys; two-button mouse. Built-in 3.5 inch disk drive (880 KB formatted); mounting locations for optional 3.5 inch drive; 5.25 inch disk drive. Video: 400 lines vertical frequency 60 Hz B&W NTSC output; analog RGB out; four independent sound channels; built-in English text-to speech device, much more. \$1598.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### A2000HD/1 Amiga

Same as the A2000 but with a built-in 50MB hard drive. \$1998.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### A3000 Amiga 16/50, 25/50, 25/100

High-speed Motorola 68030 microprocessor running at either 16 or 25 MHz; 32-bit data bus, 68881 or 68882 math coprocessor, built-in disk drive, 94-key keyboard, mouse, and system software (back-up disks included). Standard 2MB RAM (1MB RAM, 1MB fast RAM) expandable to 18MB on the motherboard (over 1 Gigabyte address space). 50MB, 19 millisecond hard disk with hard disk back-up, and maintenance software (100 MB hard drive model available). AmigaDOS 2.0 Multitasking Operating System. 4096 available colors with built-in display enhancer for NTSC compatibility interlaced or flicker-free de-interlaced video; user-definable resolutions including 320 x 200, 640 x 480, 768 x 480, and 1280 x 400. Four-voice two channel stereo sound output with built-in speech synthesis. Expansion slots: four Zorro III expansion slots, two PC AT™ expansion slots, one video expansion slot, one CPU/CACHE memory expansion slot. Built-in clock-calendar function with battery back up. A3000-16/50 \$2998.00; A3000-25/50 \$3498.00; A3000-25/100 \$4146.00.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga 2000HD/P

A 1MB RAM CPU with 3.5-inch floppy drive, 50MB hard drive, keyboard, mouse, serial and parallel ports, and pre-installed software including Advantage, Transwrite, Pagesetter II, Goldfile, Paint 2000, Music 2000, and CROSSDOS. AmigaVision and instructional video included. \$1998.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga 2500/50

Runs at 25MHz with 4MB of 32-bit RAM and features a 25MHz 68882 math coprocessor, a 68851 memory management unit, 1MB of 16-bit chip RAM; a built-in 880K 3.5-inch floppy disk drive; a pre-configured, high performance 50MB hard disk drive and autobooting SCSI hard disk controller; custom sound, animation and graphics chips; RS232 serial and parallel connectors; and two RCA-type audio output jacks. Special features that give users an unparalleled flexibility advance

tage are two optional Bridgeboards allowing the A2500/30 to run both MS-DOS® hardware and software. Amiga A2000 family owners can upgrade their existing machines by purchasing a 2630 card from an authorized dealer. Includes AmigaVision. Amiga 2500/100 is available for \$4449.00, and has 100MB hard disk drive. \$3691.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga A3000T-25/200

Tower version of the Amiga 3000, with 5MB RAM and 200MB Hard Drive. 68030 processor running at 25MHz, 32bit data bus and 68882 math coprocessor. 5 Zorro III slots, 2 Zorro/AT, 2 PC AT, 1 Video slot and 1 CPU/cache memory slot. \$4998.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga 3000UXD

Tower version of the Amiga 3000, with 5MB RAM and 200MB Hard Drive. 68030 processor running at 25MHz, 32bit data bus and 68882 math coprocessor. 5 Zorro III slots, 2 Zorro/AT, 2 PC AT, 1 Video slot and 1 CPU/cache memory slot. \$4998.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga 500 Deluxe

A 512K RAM CPU with 3.5-inch floppy drive, keyboard, mouse, serial and parallel ports, A501 memory upgrade, TV adapter, and software: KindWords, MaxiPlan, Infolite, FusionPaint, Deluxe Music Construction Set, Ports of Call, and Zany Golf. \$699.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga 500 Discovery

A 512K RAM CPU with 3.5-inch floppy drive, keyboard, mouse, serial and parallel ports, TV adapter, and software: KindWords, DeluxePaint II, Ports of Call, and Where in the World is Carmen Sandiego? \$569.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## CDTV

Commodore Dynamic Total Vision combines audio, video, graphics, and text. Its small black appearance is designed to enhance any home entertainment environment. While it is able to play standard audio compact discs at 8X oversampling rate, CDTV is also equipped to run Amiga programs from CD's. Each CD has a computer data capacity of 550MB (or the equivalent of over 700 Amiga floppy disks). Although upgradeable, CDTV is designed as a tool for information and entertainment, not as a computer. The player is controlled by a specially designed Amiga motherboard with five additional custom chips. It contains 1MB of RAM, 512K ROM, slots for an optional video card and a DMA card, as well as an external port for RS-232 devices, an external drive, two audio ports, MIDI In/Out, stereo headphone jack, and a personal IR card. An optional keyboard can be used as an IR device or hardwired into unit. Additional optional peripherals include: external floppy drive, trackball, joystick, MIDI In/Out (through third party), Genlock, an expansion module, a keyboard IR interface, modem, & printer. \$999.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Computer Imaging Systems

Advanced Image supplies complete computer imaging system for sales presentations in the construction industry, real estate sales, land scaping, etc. The system includes image scanning, 24-bit color processing, hard copy, and video output. \$4,800 to \$22,000.  
*Advanced Image, 2 Townsend Road Rt. 13 S, Brookline, NH 03033, (603) 673-0212*

## ◆◆◆ ENTERTAINMENT ◆◆◆

### 4-Player Adaptor Cable

Connects up to four joysticks at one time. You can play two players against two, or field a team of up to three against the computer. To be used with MicroDeal's International Soccer, Leatherneck,

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and other future games. \$14.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## ♦ ♦ ♦ ENTERTAINMENT ♦ ♦ ♦ JOYSTICKS

**Ergostick**  
 A soft, pliable, ergonomically engineered joystick that comfortably fits your hand. State-of-the-art microswitches, super sensitive touch control. \$24.99  
*Suncom, 6400 W. Gross Point Road, Niles, IL 60648, (708) 647-4040*

**Gravis Switch Joystick**  
 The Gravis Switch Joystick advances the 'art' of joystick control with a full-sized, foam-padded, pistol-grip handle, and adjustable handle tension. Turbo-fire is a new feature on each of the three buttons, providing even faster response and a greater degree of control. The joystick is durable and versatile enough to handle today's wide range of software—from the precision & control required for flight & driving simulations to the frantic and hard-hitting pace involved with action-packed, arcade-type software. Another new feature is the automatic trigger point adjustment of the tension wheel. The reaction time is faster for arcade-type games, and control is greater for the simulation software. The Gravis Switch Joystick carries a one-year, no-nonsense warranty promising dependable, long-lasting, hassle free use. \$49.95  
*Advanced Gravis Computer Technology Ltd., 7033 Antrim Ave., Burnaby BC, Canada C5J 4M5, (604) 434-7274*

**Hot Stuff**  
 Choosing the color may be your toughest decision with Hot Stuff, a highly interactive joystick that will improve the precision of your play as well as your scores. Grab hold of the Pistol-Grip and fire away. The handle is topped off with two trigger buttons with a second set of fire buttons located on the base. Hot Stuff sports an auto-fire switch as well as four super suction feet on its base. Available in pink, blue, green, or yellow. \$10.99  
*Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100*

**Powerplayers Joystick**  
 Trigger-style joystick that allows easy maneuverability and rapid firepower. \$29.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

**Stik-Gripper™**  
 Stik-Gripper™ is a solid steel joystick clamp which you can clamp to your table and place your joystick in! This handy device allows rugged, one-handed play just like in the arcades! It is adjustable to fit any joystick up to 4 5/8 inches wide including Wico, Kraft, Suncom, and more! This device will definitely improve your scores on those fast-moving, hard-driving games! A must for the true gamer! \$9.99  
*Duggan DeZign Inc., 300 Quaker Lane, Ste. 7, Warwick, RI 02886, (800) 962-6107*

**Stik-Gripper™ T.C.S.**  
 Stik-Gripper™ T.C.S.™ (Total Control Stand) is a patented joystick holding stand which secures your joystick front and center for one-handed arcade type action! It is a rugged, three-piece plastic stand which you place on your chair and straddle with your legs. Any joystick (including Gravis and The Flight Stick) will easily mount or dismount from it through the Velcro pads provided. It will put you in the cockpit with flight simulators as it allows you to use your keyboard and joystick at the same time! \$19.99  
*Duggan DeZign Inc., 300 Quaker Lane, Ste. 7, Warwick, RI 02886, (800) 962-6107*

**Tac-30**  
 A competition grade joystick featuring fixed auto-fire and three fire buttons for speed, comfort, and better reaction time. Has silent microswitches and precision, aircraft-style grip. \$16.99  
*Suncom, 6400 W. Gross Point Road, Niles, IL 60648, (708) 647-4040*

**Tac-50**  
 A competition grade joystick featuring variable auto-fire and four fire buttons for speed. Has digital microswitches array technology, providing tactile and audible feedback. Includes trigger fire grip for precise control. Lifetime warranty. \$19.99  
*Suncom, 6400 W. Gross Point Road, Niles, IL 60648, (708) 647-4040*

**UFO CC 1000**  
 A wired joystick for use with Amiga or Atari. \$16.95  
*Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490*

**UFO RC 1000**  
 A remote joystick for use with Amigas or Atari. \$34.95  
*Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490*

**Ultimate Superstick**  
 The Ultimate Superstick is an arcade-style controller that features eight directional micro switch controls and two independent Dial-A-Speed autofires—permitting as many as 30 shoots per second! The Ultimate also comes with two sets of fire/jump buttons, each with its own operating LED, making it versatile for left- and right-handed players. The Ultimate has five suction cups allowing it to be mounted firmly on any smooth surface, and comes with a 10-foot cord allowing the gamer to play from a greater distance. \$39.95  
*Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100*

**Zoomer 90806 (Analog/Digital)**  
 Introducing the Zoomer-A hot console with analog 360 degree rotational control. Zoomer was designed to improve scores in every type of playing situation. Cycles, 4-wheelers, racing games, and air combat games. The Zoomer features advanced technology. Turn the wheel left or right and pull up or down. With fire buttons built into the handle, action has never been more realistic. A six-foot cord and four super strong suction feet allow for easy mounting on any smooth surface. Analog/digital switchable. Product measures approximately 11-inch H x 11-inch W x 7.5-inch D. \$89.95  
*Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100*

**Zoomer™ 40406**  
 Zoomer™ is a console-type controller that was designed to improve scores in every type of playing situation: cycles, 4 wheelers, racing games, and air combat games. The wheel can be turned right or left and can be tilted up or down, with 2 Dial-A-Speed auto-fire buttons built into the handle. A 10-foot cord and four super strong suction feet allow for easy mounting on any smooth surface. \$49.95  
*Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100*

## ♦ ♦ ♦ EXPERIMENTAL HARDWARE ♦ ♦ ♦

**Link-Interface**  
 Auto-config and can be used together with other transputer boards. Designed to also be used as an experiment board. There is even an auto-config chip-select provided for your own circuitry. Compatible with the INMOS B004 development board. Includes AFSERVER software. 399 Duetschmarks  
*Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

**● MAX—125™ Autoboot Interface Adapter**  
 For developers and experimenters wanting to integrate IBM-compatible I/O device boards to the Commodore Amiga line of computers, we have a developer's version of the MAX-125 board available that includes two 8K by 8 or two 32K by 8 (16K used) static RAM chips and a RAM upload utility. This allows you to develop and test drive code that will later be put into EPROM. The MAX-125 autoconfigures to a 64K block of Amiga I/O space of which typically 32K is available for I/O device mapping and 32K for code. Up to seven non-DMA, programmed I/O and/or memory-

mapped, 8-bit XT and/or 16-bit AT boards can be supported. NTSC/PAL compatible. AmigaDOS 2.0 compatible. Please call for configuration pricing information.  
*Palomax, Inc., 424 Morebore Road, Hatboro, PA 19040-3932, (215) 672-6815*

**NES, Inc. AM-200A Prototyping Board for Amiga 2000/3000**  
 Prototyping board for use with the A2000 or A3000. \$49.95  
*N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311*

**◆ NES, Inc. AM-200AZ Prototyping Board for Amiga 2000/3000**  
 Zorro II/III pins only. \$42.95  
*N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311*

**NES, Inc. AM-200B Prototyping Board for Coprocessor or Video Slot**  
 Prototyping board for use in coprocessor or video slot. \$79.95  
*N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311*

**Parallel Port I/O Board**  
 Simple I/O board providing eight logic inputs and 16 logic outputs, seven relay circuits and prototyping space. Included is a circuit diagram, full wiring instructions, and a disk with control routines for access by C, M2, etc. \$130. AUS \$160. \$130.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

**Zorro II-III Prototyping Board**  
 Prototype board for the A2000 and A3000. Allows developers, engineers, and dedicated hobbyists to build, test, and debug custom hardware before developing a custom printed circuit board. Two-sided board designed for maximum flexibility has over 4400 plated through holes on a 0.1 grid. Main prototyping area accepts IC's in DIP packages with as many as 64 pins and IC's in PGA packages as large as 14 x 14 pins. I/O connector pattern and mounting bracket designed for D connectors with up to 25 pins. \$49.95  
*Celestial Systems, 1116-A 8th Street Ste. 165, Manhattan Beach, CA 90266, (310) 640-7734*

## ♦ ♦ ♦ FAX-SSTV ♦ ♦ ♦

**Amiga Video Terminal (AVT) System**  
 The AVT system utilizes the graphics capabilities of the Amiga to transmit and receive high-resolution facsimile and slow-scan television images. Received images can be printed on any Amiga printer or saved on a disk file. A unique capability of the AVT mode is the 400 Hz bandwidths, instead of the conventional 1100 or 1200 Hz SSTV bandwidths. If used in conjunction with a CW filter and IF shift, this drastically improves the signal-to-noise ratio, enabling clearer reception of weak signals. Further, all video information is crystal-locked at both the transmitting and receiving stations at the start of each frame, eliminating misalignment. Another unique feature of the AVT system is its ability to send high-speed color images over telephone lines to similarly-equipped AVT system stations. There's also telephone ring detector and auto-answering. \$319.00  
*Advanced Electronic Applications, Inc., P.O. Box C2160, 2006-196th S.W., Lynnwood, WA 98036, (206) 774-5554*

**ClickFAX**  
 ClickFAX supports both sending and receiving fax documents at 9600 baud. It provides standard telecom modem capabilities, at speeds of 300, 1200, and 2400 baud with MNP level three, four, and five support. ClickFAX has three complete user interfaces. You can utilize all of the system's features from the WorkBench using the mouse, from your CLI or Shell using simple typed commands, or via ARexx from any application, script, or macro. It can read ASCII text files, IFF graphics files, and pre-compressed '.fax' files created by itself or the AE 'SendFAX'. The system consists of an attractive external modem, cable, and support software. \$449.95  
*Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) 852-6442*

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## ◆ Supra FAXModem Plus

This fax/data modem features CCITT V.42bis and MNP 2-5 data compression for up to 9600 bps throughput when connected to another modem supporting the same protocols. Fax: compatible with Class 1 and 2 software, Group 3 fax machines. Data: Hayes compatible, autoanswer/autodial, two modular phone jacks, adjustable speaker, compatible with most popular telecommunications software. Five-year warranty. \$199.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## Supra FAXModem V.32 9600 Send/Receive Fax

This modem features CCITT V.32, CCITT V.42bis, and MNP 2-5, providing up to 38,400 bps throughput when connected to a modem that supports the same protocols. The SupraModem 9600 features a five year warranty, Hayes compatibility, asynchronous and synchronous operation, compatibility with most popular telecommunications software, Bell 103/212A and CCITT V.21/V.22/V.22bis protocols, autoanswer/autodial (tone or pulse), two modular phone jacks, adjustable-volume speaker, and is made in the USA. It works with any computer with an RS-232C serial port and comes with everything the user needs except telecommunications software and an RS-232C cable to connect the modem to the computer. Works with any Class 1 or 2 fax software (not included). \$299.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ◆ Supra FAXModem V.32bis

14,400 bps fax/data modem with V.32bis error correction/data compression offers up to 57,600 bps throughput. Compatible with Class 1 and 2 fax software, Group 3 fax machines, most popular telecommunications software. Downward compatible with lower-rate modems. 25-function status display, autoanswer/autodial, two modular phone jacks, nonvolatile memory, Hayes compatible. Five-year warranty. \$399.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ◆ ◆ GRAPHICS HARDWARE ◆ ◆

### ◆ 1600GX Graphics Board

For the A3000. A high resolution, accelerated, 32-bit graphics product specifically designed for users who require a high performance graphics display for demanding applications such as CAD, desktop publishing, graphics production, and the X Window System. Programmable resolutions up to 1600x1280. Has 32-bit Zorro III host interface. Pipelined graphics processor draws quadrilaterals, triangles, lines, and points at full bandwidth of video memory. Drawing rate of 100 million pixels per second. Direct access, memory mapped frame buffer for image processing applications. Sixteen million color palette. Will be available separately or bundled with selected workstation quality monitors. Software will include support for Commodore's A3000UX Unix system and X windows under AmigaDOS by GEXbase. Requires A3000, Zorro III. \$2,995. \$5,995 for 1600GX with Mitsubishi Diamond Pro 20 monitor and cable. \$2995.00

*Ameristar Technologies, Inc., 47 Whittier Avenue, Medford, NY 11763, (516) 698-0834*

### BCD-2000A

The BCD 2000-A is a frame-accurate controller which permits a Commodore Amiga 2000, 2500, or 3000 to operate industrial and broadcast video tape and disc machines for single-frame recording. It fits in a single Amiga or IBM slot and communicates with the Amiga via the computer's internal serial connector. (If using with an A3000, specify with order for an external serial port connector cable. Frame-accurate editing is achieved with the use of SMPTE time code. PAL (EBU) time code is jumper-selectable for worldwide compatibility. Requires Amiga 2000/2500/3000, one slot. Optional display \$225.00. \$995.00  
*BCD Associates, 7510 North Broadway, Ste. 205, Oklahoma City, OK 73116, (405) 843-4574*

### BCD-5000

The BCD-5000 is a frame-accurate controller which permits a computer to operate industrial and

broadcast video tape and disc machines for single-frame recording. Frame-accurate editing is achieved with the use of SMPTE time code. EBU time code is a factory option for worldwide compatibility. Requires RS-232 Serial Port. RS-422 optional. \$2695-3995. Optional display \$300.  
*BCD Associates, 7510 North Broadway, Ste. 205, Oklahoma City, OK 73116, (405) 843-4574*

### DMI020

The 1280 x 1024 24 plane system makes available the full 16+ million color spectrum, and over 1,300,000 pixels. The Memory Buffer Option for the DMI020 doubles the amount of available vRAM providing for faster screen displays. Three to five times more addressable data. Programmable control up to its maximum resolution.  
*Digital Micronics, Inc., 5674-P El Camino Real, Carlsbad, CA 92008-7130, (619) 931-8554*

### ◆ FreezeFrame Film Recorder

This WYSIWYG film recorder allows you to capture on film any image you can display on your 1084 (or compatible) monitor. NTSC compatible for use with Toaster or DCTV. Is 24-bit capable when used with an adapter (e.g., FireCracker or OpalVision). Fast analog operation exposes 35mm slides in 15 seconds, instant prints in 30 seconds. Comes complete with both film backs and all cables. NTSC only. Requires 512K RAM, one floppy disk. \$1895.00  
*Prime Option, 2341 W. 205th St. Ste. 116, Torrance, CA 90501, (310) 618-0274*

### X-Specs 3-D Amiga System

Through these advanced high-speed liquid crystal spectacles, your computer can now independently control what each eye sees. The results are the breathtaking world of stereoscopic vision. Add new depth to presentations, CAD/CAM, and molecular or solids modeling. Play games with more realism than ever imaginable. Software and hardware included, just plug into joystick port. \$149.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

### X-Specs 3D Amiga Dev Kit

Powerful software tools and extensive documentation for Amiga programmers that wish to master the utilization of X-Specs imagery. \$49.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

### X-Specs 3D Generic

X-Specs glasses with generic hardware interface for adapting to IBM-PC, Mac, etc. \$79.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

### X-Specs 3D Glasses

Glasses only for use with Amiga or VCR interface. \$59.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

### X-Specs TV

This latest device from Haitex Resources allows images to be recorded to video tape and then replayed with stereoscopic 3-D depth. Ideal for animation or professional presentation. Compatible with NTSC composite video ONLY and requires the use of the X-Specs 3D glasses. \$169.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

## ◆ ◆ ◆ HOME SECURITY ◆ ◆ ◆ HARDWARE

### Intruder Alert

Allows your computer to become a monitoring, logging, or security system for your home or business. The system comes complete with everything you need for remote sensing, including detector switches and wire. Intruder Alert Monitor software allows for digitized audio alarms, speech synthesis, modem interaction, date and time stamping of events, external program launching, and utility support for BSR/X-10 controlling. \$159.95  
*Software Terminal, P.O. Box 122106, Fort Worth, TX 76121-2106, (817) 737-3297*

## ◆ ◆ ◆ INPUT DEVICES/ ◆ ◆ ◆ BAR CODE

### ◆◆ BarPro/B Laser Gun

High-tech industrial quality bar code scanning laser gun (RS-232) with full software support: software to program the intelligent gun's internal features, software to print bar code labels (BarPro/A3.0), and input handler program which lets the bar code gun scan label data directly into any Amiga software as if scanned label data were typed in on the keyboard. Input handler program also makes bar code scanning gun compatible with all existing Amiga software (including SuperBase, Omega File, Best Business Management, KFS Accountant, and more, even CLI/Shell command entry via scanned labels for kiosks and other automated Amiga operation without keyboard). Scans Code39, Code93, Code25, Code128, Codabar, UPC, and EAN. Complete plug-in and go solution for all bar code data entry applications on Amigas. Emulation support for French and German keyboards available. AmigaDOS 1.2-2.0 compatible. \$1595.00  
*MegameM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 154.**

### ◆ BarPro/B Wand

High-tech industrial-quality bar code scanning wand (RS-232) with full software support: software to program the intelligent wand's internal features, software to print bar code labels (BarPro/A2.1), and input handler program which lets the bar code wand scan label data directly into any Amiga software as if scanned label data were typed in on the keyboard. The input handler program makes the bar code scanning wand compatible with all existing Amiga software (SuperBase, spreadsheet, even CLI/Shell command entry via scanned labels). Scans Code39, Code93, Code25, Code128, Codabar, UPC, and EAN. Complete plug-it-in-and-go solution for all bar code data entry applications on Amigas. AmigaDOS 1.2-2.0 compatible. \$699.00  
*MegameM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 154.**

## ◆ ◆ ◆ INPUT DEVICES/ ◆ ◆ ◆ GRAPHIC TABLETS

### AProDRAW® 12 x 12 inch Graphics Tablet Package

AProDraw® graphics tablets feature high resolution Summagraphics digitizing tablets with a two-button stylus, four-button puck and a multitasking driver for the Amiga. Additional program allows user to scale the tablet or screen while working to enlarge or reduce a picture. Interfaces through the serial port. Active area is 12 x 12 inches. AProDraw® 9 x 6 Inch Graphics Tablet is available for \$499. AProDraw® 18 x 12 Inch Graphics Tablet is available for \$999. \$599.00  
*R & D L Productions, Inc., 40 Liss Rd., Wappingers Falls, NY 12590-1609, (914) 298-8968*

### Amiga Wiz

A compact digitizing tablet and mouse replacement with 7.5-inch by 7.5-inch active area and 1000 lines per inch resolution. Wiz hardware by Calcomp comes standard with two-button pen and five-year Calcomp warranty. Tri-Media Wiz software includes an Amiga-integrated control program for all Wiz options. Features include tablet & pointer selection, an easy to use scaling mode for tracing, absolute (tracing) or relative (mouse) mode. Six-button cursor optional. \$299.00  
*TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090, (708) 520-0730*

### Amiga Wiz 6-Button Cursor

A mouse-style, six-button cursor with cross-hairs for high accuracy tracing and general pointing use. Tri-Media software included with Amiga Wiz allows assignment of button functions. Extra buttons can be assigned keyboard commands. \$75.00  
*TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090, (708) 520-0730*

# Miscellaneous Hardware

## IS/ONE

A total input tablet for the Amiga with interface kit and programmable menu-strip featuring five Program softkeys and up to 23 function softkeys to execute batches of your pre-programmed key-strokes with one touch. Allows instant switching from application to drawing to menu picking. Available with corded cursor, cordless pen or cursor, two switch pen, or with corded 12-button cursor. Tablet sizes: 8.5 x 11, 12 x 12, 12 x 17. Also includes IS/PENCRAFT software driver. When ordering, specify Amiga Interface Kit. \$525-\$995. Kurta, 3007 East Chambers, Phoenix, AZ 85040, (602) 276-5533

## IS/PENMOUSE

Comes with 6x9 tablet with interface kit. Available with cordless pen or cordless cursor. Features Kurta's dynamicscaling to miniaturize/maximize the active area. When ordering, specify Amiga Interface Kit. \$395.00. Kurta, 3007 East Chambers, Phoenix, AZ 85040, (602) 276-5533

## SketchMaster 12 x 12

SketchMaster graphics tablets are ideal for animation, tracing, and design. The tablet is compatible with any Amiga model and all mouse-driven software. SketchMaster features 1000-lines-per-inch resolution, half-inch lock-height, comprehensive software drivers for Amiga and IBM, and a protective clear overlay. SketchMaster is the only Amiga graphics tablet that does not require a power supply (interfaces through serial port). System includes a high performance tablet, two-button stylus, four-button cursor, interface cable, 9 to 25 pin adapter, tablet software driver, and manual. SketchMaster is backed by a five-year limited warranty. Active area is 11.7 x 11.7 inches. 12 x 18 inch version \$699.00. SketchMaster is also 2.0 compatible. \$499.00. Dakota Corporation, 135 Lafayette Rd., North Hampton, NH 03862, (603) 964-2112

## ◆ ◆ ◆ INPUT DEVICES/ ◆ ◆ ◆ KEYBOARDS

### ◆ A500 Detachable Keyboard Housing

Matching white enclosure to house existing A500 keyboard. Kit includes 6-foot coiled cable for easy attachment to A500. Lifetime warranty. \$119.95. Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

### AKC-1000 Keyboard Connector

Use a standard Amiga keyboard on your Amiga 1000, or use an XT-Enhanced keyboard with the KA-1 Keyboard Adapter. Quality components, lifetime warranty. Fou use with Amiga 1000, A2000/A3000 series keyboard, or XT-Enhanced keyboard with KA-1 Adapter. Call for free brochure. \$19.95. Top Secret Device, 1630 George Washington Blvd., Wichita, KS 67211, (316) 685-4763

### ◆ AKC-500+ Parallel Keyboard Connector

Use a standard Amiga keyboard on your A500, or use an XT-enhanced keyboard with the KA-1 keyboard adapter. Plus 9-pin RGB pass-thru (FFV) and two user-accessible microswitches for ROM/accelerator/RAM switching. Features parallel operation as a dual keyboard system. Educational and industrial applications. Preferred replacement for disabled internal KB. Stylish, color-coordinated plastic unit that novices can attach without drilling. Requires only opening case and two plugs. One-year warranty. Requires A500, A2000/3000 series keyboard, or XT-enhanced keyboard with KA-1 adapter. Call for free brochure. Available summer 1992.

Top Secret Device, 1630 George Washington Blvd., Wichita, KS 67211, (316) 685-4763

### ◆ Concept 2000 Keyboard

For the disabled. The new Concept 2000 Keyboard attaches to the Amiga through the serial port. Simple to use software allows you to create independent overlays which will run almost all Amiga software, e.g., word processors, multimedia, etc. \$520.00. Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168

## ◆◆ KA-1 Enhanced Keyboard Adapter

KA-1 Series II Keyboard Adapter enables you to use the best-selling and manufactured XT-enhanced keyboards on the entire line of Amiga computers and CDTV. You can choose from the finest models in the industry: PC/XT/AT keyboards from Chicony, Focus, Frame, Honeywell, Wave, etc. Fully transparent. Includes molded extension, three mode selection, users manual, free 'PD' disk of goodies/utilities, one-year warranty. User configurable with standard AmigaDOS 1.3/2.0 keymaps; foreign keymaps supported. For A2000/3000 as shipped; A500/1000 and CDTV require matching connector. Call for free brochure. \$54.95. Top Secret Device, 1630 George Washington Blvd., Wichita, KS 67211, (316) 685-4763

## KB-Talker

PC/AT-to-Amiga keyboard interface adapter. Allows AT-compatible keyboards to be used on the A1000 or A2000/2500/3000 computers. No software involved, Amiga and IBM keymaps available on-the-fly. Keycap labels and extension cord included. Complete Amiga compatibility is achieved. \$59.95. Co-Tronics Engineering, P.O. Box 5146, Glendale, AZ 85312-5146, (602) 435-0350

## KB-Talker 500

PC/AT-to-A500 keyboard interface adapter kit. Allows an external, disconnectable PC/AT keyboard to be attached to an Amiga A500. Two holes are required to be drilled into the back panel for the connector and the switch. The switch allows user to toggle between internal and external keyboards on-the-fly. Total Amiga compatibility is achieved, no software required, transparent to the user, Amiga and IBM keymaps selectable on-the-fly. Includes keycap labels and coiled extension cord. \$89.95. Co-Tronics Engineering, P.O. Box 5146, Glendale, AZ 85312-5146, (602) 435-0350

## ◆ Touch Screen Driver

An incredibly powerful input device. Placed in front of a standard monitor, it allows you to run almost all Amiga software by touching the screen, e.g., art programs, databases, multimedia. Allows easy and direct access to software. Detached from the screen it becomes a cost-effective graphics tablet/tracing, etc. Price includes TouchWindow. \$400.00. Think Limited, Prudential Buildings, 46C High Street, Erdington, Birmingham, West Midlands, B23 6RH England, (011) 4421-384-4168

## ◆ ◆ ◆ INPUT DEVICES/ ◆ ◆ ◆ LIGHT PENS

### The Amiga Light Pen

Two-button touch switch pen with transparent driver. Allows user to choose pen, mouse, or both for hi-res precision graphics. Operates in both interlace and non-interlace modes. When used with graphics programs, the Light Pen gives data entry the simplicity of paper and pencil for drawing, painting, and free-hand sketching on the computer as well as the precision required for CAD. \$129.95. Inkwell Systems, P.O. Box 1997, Imperial Beach, CA 91933, (619) 429-6093

## ◆ ◆ ◆ INPUT DEVICES/ ◆ ◆ ◆ MOUSES

### Amiga Mouse

Compatible with all Amigas. \$74.95. Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300

### Amiga/MouseStick

The Gravis MouseStick is an optomechanical mouse/joystick combination. With 1200 lines of resolution, and a 16K ROM processing unit, and it is a premium games device. The Mousestick editing program gives you complete control over response, speed, fire rate, and many other functions. It even provides that 'analog feel' for flight simulation software. Four of your favorite settings can be set and one can even be set as start-up, allowing you to start playing the game right

away. The MouseStick includes many of the outstanding features developed by Gravis for their switch joystick, such as the foam-padded pistol-grip handle, adjustable handle tension, and three micro-switch firing buttons. The MouseStick also carries Gravis' one-year no-nonsense warranty. \$99.95

Advanced Gravis Computer Technology Ltd., 7033 Antrim Ave., Burnaby BC, Canada C5J 4M5, (604) 434-7274

## BOING! Mouse

A high-quality replacement mouse for the Amiga computer. No moving parts to wear out. Comes with special, reflective mouse pad. It has three buttons for use by new software and a two-year warranty. \$125.00. BOING, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469

## ◆ Beetle Mouse

From New Idea Electronics, the Beetle Mouse is an ultra-fast, highly accurate mouse designed to fit your hand. Light weight, effortlessly glides across any mouse pad. Special curve lets your hand rest comfortably. Indented waist at base allows you to firmly grip it during movement. Has resolution of 320 dpi, allowing you to use a smaller workspace. Compatible with all Amigas, including 3000. Includes free mouse pad; one-year warranty. New low-voltage version available. Many models and color combinations. Rimik Enterprises, 836 Osborne Street, Vista, CA 92084, (619) 630-1217

## CLM Series infra-red (IR) Cordless Mouse

CLM-MT for the Amiga features infra-red signal transmission cordless operation, and user-friendly front panel LED. Supports quick-recharging external power connector. CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962

## CSI 5500-BOING! Optical Mouse

Smooth optical mouse for all Amigas. Double the resolution of the standard mouse for better precision. Supports X-Windows, Amiga UNIX, and Workbench 2.0. The only optical mouse available for the Amiga. No moving parts to wear out and smooth mouse movement. Also includes free D.U.D.E. (Directory Utility/DOS Enhancer) software. \$149.00. Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226

## Cat Mouse

Replacement mouse for all Amigas. Uses Omron micro switches for unparalleled feel and control. Omron switches eliminate annoyances and accidental double clicks! Includes utilities software. \$69.95. Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

## GI-1000

Fully optical mouse with no ball for all Amiga computers. \$69.00. GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## GI-600

Opto-mechanical replacement mouse for all Amiga computers. \$49.00. GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## GI-700

Cordless mouse with infrared transmission for all Amiga computers. \$99.00. GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## GI-7000

Cordless trackball with infrared transmission for all Amiga computers. \$119.00. GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

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## Genius Mouse

A high-quality direct replacement mouse. Teflon glides for smooth movement. Rubber-coated cable for positive traction. Six-foot connecting cable and softer, more positive button clicking. \$49.95  
*Rio Computers, 3310 Beravick St., Las Vegas, NV 89121, (800) 782-9110*

## JP-100

Mouse pen for all Amiga computers. \$99.00  
*GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482*

## M4 Mouse

For use with Amiga 500, 1000, and 2,000. \$49.95  
*Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490*

## Mouse Control

The latest invention/computer accessory from Advanced Image. The unit consists of a mounted, 8-inch spring holder for your mouse cord; keeps your workspace organized and tangle-free. An inexpensive alternative to a cordless mouse. \$9.95  
*Advanced Image, 2 Townsend Road Rt. 13 S, Brookline, NH 03033, (603) 673-0212*

## OMM Series Opto-mechanical Mouse

OMM-MT or OMM-MT-S for the Amiga features rapid, smooth point-to-point movement, and aesthetic ergonomic design. Effortless operation with reliable micro-switch buttons.  
*CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962*

## OPM Series Optical Mouse

OPM-MT for the Amiga features high resolution with 600mm/sec tracking speed. Effortless finger tip operated buttons. It is fast, smooth, and accurate.  
*CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962*

## RM300C Mouse

This mouse features 200 DPI and is compatible with all Amiga systems. \$50.00  
*RocTec Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030-1844, (408) 379-1713*

## T4 Trackball

For use with Amiga 500, 1000, or 2,000. C1352 compatible. \$59.95  
*Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490*

## INPUT DEVICES/ TOUCH SCREENS

### Amiga Touch Driver

With the Amiga Touch Driver, users can use a touch screen for any Amiga application. Touch screen input, cursor control is as natural as pointing with one's finger. Users can select from menus, create drawings, and manipulate windows simply by touching the screen—without reaching, orienting, or clicking a mouse. \$395.00  
*MicroTouch Systems, Inc., 55 Jonspin Road, Wilmington, MA 01887, (508) 694-9900*

### Amiga UnMouse

With the UnMouse, all you need is this innovative mouse alternative, plus your finger. No annoying mice to locate, orient, and roll. No moving parts to break. No balls to clog, skip, or clean. No moving tails to spill coffee. The UnMouse does everything a mouse can—only faster, easier, and in less space. To move the cursor, simply slide your finger over the glass surface. To make a selection, merely press down. The UnMouse also serves as an extended keyboard. Tap the large red button and you have a Power Keypad with 16 keys instantly available to execute macros (60 in advanced mode). With its one million touch points, The UnMouse also performs as a small graphics tablet. \$235.00  
*MicroTouch Systems, Inc., 55 Jonspin Road, Wilmington, MA 01887, (508) 694-9900*

### EdMark Touch Window

EdMark touch screen easily attaches to the front of a 13-inch or 14-inch monitor. The Touch Win-

dow comes with touch Screen Program which works with all authoring software. The touch Window inputs touch information to the Amiga serial port (RS-232). AmigaDOS 2.0 compatible. \$325.00

*Amigo Business Computers, 192 Laurel Road, E.*

*Northport, NY 11731, (516) 757-7334*

**Please see display ad page 144.**

### Future Touch Integrated Touch Screen Monitors

Monitors come with Touch Driver Program which works with all authoring software including: Info Channel, Scala, VIVA, AmigaVision, CanDo, Foundation, The Director, C.L.A.S., The Learning Curve, Elan Performer, MediaShow, and Microtext. The monitor inputs touch information to the Amiga's RS-232 or Parallel port. Customer must specify interface required, serial, parallel, or both (\$29.95 option). Additional serial ports for the A2000 are available. (Comports). The 13-inch RGB Monitor (CBM 1084S or Open Frame): \$1195; 13-inch Multi Sync monitor (CBM 1950): \$1495; 19-inch RGB Monitor (Sony PVM 2030): \$2495; 19-inch RGB or Composite Open Frame Monitor: \$1595; 19-inch VGA Open Frame Monitor: \$2395.

*Amigo Business Computers, 192 Laurel Road, E.*

*Northport, NY 11731, (516) 757-7334*

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### TouchLink

Turn your Amiga monitor into a touch screen with the TouchLink. Works with any Amiga software by simulating a mouse click at the point touched. Automatic calibration setup and options for (left only) or (left/right) button control. Connects to either mouse port or the CDTV parallel port. Works with the mouse in mouse port 1 without interference. The TouchLink software and controller unit work with most analog resistive touch panels. The included touch screen is a flat, 1/8-inch thick panel with an active area of 11.25 x 8.75 inches. The molded edge panel may be attached to the front of most 14-inch monitors. Larger panels can be made to order or purchased directly from their manufacturers. \$250.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566*

### UnMouse 3-inch x 5-inch Touch Tablet

MicroTouch flat surface touch tablet, 3-inch x 5-inch, for the Amiga. Amigo's custom software allows the UnMouse (MicroTouch TM) to behave similarly to a standard Future Touch touch screen. The UnMouse serial input is converted to Amiga mouse data. Package includes UnMouse Touch Tablet, Amiga cable set, and Amigo's Future Touch Driver. AmigaDOS 2.0 compatible. \$235.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
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## INTEGRATED MULTIMEDIA SYSTEMS

### 24 Hour Concierge Cabinet/Kiosk

Our attractive all-steel kiosk provides a unique and durable cabinet for displaying your multimedia presentation for public use. Kiosk design features an ergonomically-placed touch screen monitor, strategic ventilation for cool operation and stereo speaker placement, easy front door access to the Amiga computer and/or laserdisk player, and an area for an illuminated sign. \$1899.00

*Doss Industries, 1224 Mariposa St., San Francisco, CA 94107, (415) 861-2223*

### AirLink 3.0

The Amiga Infra Red (AIR) Universal Remote Controller. Control any IR activated equipment via ARexx, mouse, menus, hotkeys, MIDI events, serial bytes, or parallel pins. AirLink 3 works with the mouse on the first mouse port. Built-in infrared receiver, super-bright IR transmitter, and IR output jack. Includes one super-bright IR LED adapter that's also PowerMID compatible. Make your own AIR windows (screen duplicates of IR remote controllers) from IFF brushes. Includes a library of AIR window devices: LDs, CDs, VCRs, X-10, etc. Many ARexx and other multimedia examples. \$80.00  
*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566*

## CAPS XL

CAPS XL offers a multi-user environment in which several people, working on IBM-compatible machines, Apple Macintosh and Commodore Amigas can cooperate in setting up colorful, professional presentations, which may be run 24 hours a day on public cable TV systems or inhouse video networks. Presentations or new flashes can be sent to a remote Amiga without interrupting the running show. It features script and presentation Repository, Page layout system, Object-oriented script editor, Multi-user communications via modem or wire, Electronic mail, Animations, Remote access with all popular systems, optional VCR control module. CAPS XL is unique in the way it handles editing shown at remote locations (also on character oriented workstations). Pictures can be downloaded from and uploaded to the Amiga feeding the network, to enable editing of existing screen images and adding new ones. CAPS XL is \$1399.00; additional workstation software is \$559.00; additional sendstation software is \$849.00. Distributed by Computer Video Solutions, 14B S 7th St., Akron, Pennsylvania, 17501, (717) 859-2049.

*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914*

### CrashCorrector\_500—Amiga 500 Watchdog

The CrashCorrector\_500 provides watchdog circuitry, rebooting the Amiga 500 in the event of a crash. The unit is a pass-through circuit card that mounts on the Amiga 500 main board at the keyboard connector, with no interference to the keyboard operation. Performs the same functions as the CrashCorrector 2000/3000. A must for BBS's, remote sites, kiosks, or any continuous use. \$90.00

*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566*

### CrashCorrector—Amiga Watchdog

The CrashCorrector is an Amiga watchdog circuit that automatically reboots the Amiga after a software crash. The unit comes ready to install inside the A2000/2500/A3000. Four test clips provide all internal Amiga connections, leaving your ports free for other uses. Also has remote connections for the 'AA' status LED of your modem, allowing the Amiga to be rebooted if its telecommunication software fails to answer the phone. Selection for either four or eight telephone rings before rebooting. Source code (SAS C) for integration into custom programs. A must for BBS's, remote sites, kiosks, or any continuous use. \$95.00

*Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566*

### Economy Directory

The Economy Directory stands four feet tall and is Amigo's lowest cost interactive Multimedia kiosk. Kiosk contains surge protector, A500DS CPU, 0.5MB RAM, AmigaVision, and 13-inch stereo Color Touchscreen monitor. \$2195.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### Exhibitor—Integrated Exhibitor Kiosk

Amigo's Exhibitor is a four-foot stand-alone kiosk for computer based training and other interactive multimedia applications. Kiosk contains surge protector, wiring harnesses, A2000HD with 3MB RAM, 3.5-inch floppy, 40MB hard drive, stereo speaker system, A2300 genlock, 13-inch or 19-inch Color Touchscreen Monitor, and Pioneer LDV-2000 Laser Disc Player. AmigaVision, diagnostic software, touchscreen driver and laser printer driver are included. \$4995.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### Groom

The Groom is a reception system which is distributed by a computer. It is put at the strategic crossroads of hotel receptions, training centers, and large companies. The Groom quickly and efficiently directs visitors, trainees, and guests. The Groom uses the graphic and animation possibilities of the Amiga, is user-friendly, and can be easily updated. Available for PAL, AmigaDOS 1.3 compatible. Price: 150,000FF.  
*IMEDIA, Cap 107-67, rue Robespierre, 93558 Montreuil-Cedex, France, (011) 3314-857-5959*



# Miscellaneous Hardware

## ♦ ♦ ♦ MODEMS ♦ ♦ ♦

## ♦ ♦ ♦ MONITORS ♦ ♦ ♦

### IllumiLink 3.0

The IllumiLink is similar to the AirLink, but has the added capability of turning any wireless phone or other touch tone (DTMF) source into a remote Amiga command center. Great for live multimedia presentations. Use it as a remote mouse. It connects to the second mouse port and contains an IR receiver, IR transmitter, and DMTF tone decoder. Phone keys may be programmed for mouse mode, mouse/menu/key selections, AREXX, MIDI, serial bytes, parallel signals, or IR commands. Works as an Amiga interface for 'security gate' keypads. Use a wireless phone as a highly reliable remote controller for your Video Toaster or other multimedia presentation system. \$100.00  
Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

### Infrared Command Center URC-3000

The URC-3000 is a Universal Electronics Inc. product sold as an enhancement for AIR window users. It receives IR codes and converts them to X-10 PowerHouse codes. This control panel device can be operated manually or by any 'One For All' universal remote controller. Up to 16 different X-10 modules can be controlled with ON, OFF, DIM, or BRIGHT. The AIR window for this device is included with the AirLink package. AirLink users can control X-10 devices without tying up any Amiga ports via AREXX, hotkeys, etc. \$40.00  
Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

### Integrated Public Information Kiosk

Integrated Multimedia Kiosk. Amigo offers the lowest cost implementation of a fully configured stand-alone, interactive, multimedia kiosk. Seven-foot high public information kiosk contains surge protector, wire harnesses, A3000-16MHz with 6MB RAM, 3.5-inch floppy, 40MB hard drive, Stereo Speaker System, A2300 Genlock, 19-inch color touchscreen monitor, and Pioneer LD-V2000 Laser Disc Player. AmigaVision, diagnostic software, touchscreen driver and laser player driver are included. \$5995.00  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334  
**Please see display ad page 144.**

### PowerMid PM5900

The PowerMid PM5900 is an X-10 (USA) Inc. product sold by Geodesic as an enhancement for AIR Window users. The PowerMid PM5900 is a pair of 4-inch pyramids, one IR to RF transmitter unit, and one RF Receiver to super bright IR unit. Enables IR signals to be distributed throughout a building via radio waves. Use your remote controllers from any room in the house. \$50.00  
Geodesic Designs, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

### Presenter—Integrated Presentation Kiosk

Stand-alone four foot kiosk contains surge protector, CDTV 1000 CPU with CD-ROM, 1MB RAM, and 13-inch Stereo Color Touchscreen monitor. Optional Laser Disc player may be added. \$3195.00  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334  
**Please see display ad page 144.**

### TV Tools

TV Tools is a global multimedia communication system. It can display images in Amiga or 32-bit format with video effects, play animations, command MIDI, video disk and VTR, control modem transmissions in RTC, RNIS, NUMERIS, TRANSPAC, or by satellite. TV Tools takes full advantage of the Amiga's multi-tasking capability. TV Com, the transmission module of TV Tools, is available separately. NTSC/PAL. UK Sterling £1600.  
Amiga Centre Scotland, Harlequin House, Walkerburn, Peeblesshire, EH43 6A2 Scotland, (011) 4489-687-583

### 1670 Stand-Alone Interface

Our 1670 Stand-Alone Interface allows you to use the Commodore 1670 modem on all Amiga machines. Powers itself and 1670, has 3-foot cable, status LED's, on/off switch, and modem reset switch. Can be used on any computer that has RS-232 serial port. The 1670 Stand-Alone Interface comes with complete instructions and is easy to set up and use. \$44.95  
LRA Enterprises, 35615 Avenue D, Yucaipa, CA 92399

### A1680

1200 Baud modem. Access valuable information outside your workstation with the MODEM/1200 RS. Uses the popular Hayes command protocol to perform high-speed data communication over phone lines. Tap all major information networks to gather nearly limitless information. Supports standard RS232C interface so that it can be used with most computers on the market that offer a RS232 serial port. Offers the option of low speed compatibility with all Bell 103, 300 Baud modems. \$59.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Baud Bandit 2400

A 2400-baud fully Hayes-AT-compatible modem. Has fully worded LED readout panel and privacy circuitry shielding. Sleek, black exterior design. \$169.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### Baud Bandit MNP/Level 5 Plus

Advanced 2400 baud modem with 100% error-free transmission. MNP/Level 5 compression technology doubles transfer rate up to 4800 baud. \$199.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### Minimodem-AM24

2400 baud modem specifically built for A500 and A2000. Powered from Amiga serial port and includes self test, speaker, and status LED's. Complete with terminal software, phone cord, and serial cable. \$99.95  
APROTEK, 9323 West Evans Creek Road, Rogue River, OR 97537, (503) 582-2120

### Minimodem-AM6216

300/1200 baud modem includes speaker with volume control and status indicator LED's. Hayes-compatible with terminal software. \$49.95  
APROTEK, 9323 West Evans Creek Road, Rogue River, OR 97537, (503) 582-2120

### Supra Modem 2400

2400 baud modem. Hayes-compatible with AT commands and common protocols. Features nonvolatile memory, and more. Five-year warranty. \$149.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772  
**Supra Modem 2400 Plus**  
Supra Modem 2400 Plus adds MNP levels 2-5 & CCITT V.42-bis error correction & data compression protocols to standard Supra Modem 2400 features. These protocols let the user get up to 9600 baud, error-free throughput when communicating with modems with the same protocols. Five year warranty. \$179.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

### Supra Modem 2400 zi Plus

Includes ATalk III software. Internal 1/2 card 2400 baud modem for A2000. Hayes-compatible. That features non-volatile memory, and more. Supports up to five modems per computer. Adds MNP levels 2-5 and CCITT v.42-bis error corrections and data compression. Five-year warranty. \$199.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

### 1084S Monitor

RGB/composite color maximizes your computer's video capabilities. High resolution, sharp image, superior color, and stereo sound. Compatible with C64, C128, and entire Amiga line. Also compatible with VCR and television tuners. Hue, brightness, contrast, sharpness, and volume controls in front. Built-in stereo amplifier, speaker, and earphone jack. Analog RGB, Digital RGBI, NTSC composite, audio, and separate Luna/Chroma. \$388.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### 1950 Multiscan Color Monitor

RGB Analog and RGBI (digital) capable of scanning video signals from 15-36 KHz. \$715.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### A2024 High Resolution Monochrome Monitor

Hi-res (1008 x 800) Monochrome Monitor designed for professional productivity applications such as word processing and desktop publishing. Adds hi-res capabilities to all Amigas including the A500. Paperwhite (Grey Scale) monitor reduces eye strain by de-interlacing Amiga High Resolution Video. Ergonomic design with tilt and swivel base allows for better viewing control. \$745.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### PanaSync C1381

The Panasonic PanaSync C1381 offers the high-resolution color display of IBM's 8514/A video adaptor. Panasonic has aggressively positioned the PanaSync C1381 to provide business users with the industry's first affordable color display option. Features include: up-front controls, non-glare screen, and tilt-and-swivel stand. \$699.00  
Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094

### ◆ Sony CPD-1604S Multiscan Monitor

A 17-inch color multiscan monitor that provides a high resolution, up to 1024 x 768. Display features a 0.25mm Super Fine pitch aperture grille and features low magnetic emission technology. Trinitron picture tube technology delivers a clear, sharp color image. Text is crisper and easier to read, especially with small type. \$1699.95  
Sony of America, Sony Drive, Park Ridge, NJ 07656, (201) 930-6432

## ♦ ♦ ♦ MONITOR ACCESSORIES ♦ ♦ ♦

### ◆ FLICKER MASTER

The low-cost solution to interlace flicker. FLICKER MASTER is a filter screen 10.5-inch x 13.5-inch (26.7 cm x 34.3 cm) that attaches to the face of your monitor with four velcro pads, allowing easy removal for cleaning. Improves contrast of your display in all modes, but is especially helpful in reducing flicker in the interlace display modes. A great companion to your video, CAD, graphics, or publishing programs. Very helpful on PAL systems. Works on any 13- or 14-inch monitor that has enough flat surface to allow the 1-inch velcro pads to stick. Distribution in USA, Europe, Australia. \$17.95  
Hutchinson Companies, 110 W. Arrowdale, Houston, TX 77037-3801, (713) 448-6143

### NoRad dB60

Anti-glare/static/radiation filter grounded filter reduces flicker in high-resolution or interlace mode. Grounded for full elimination of static and electromagnetic radiation. Won't attract dust or reflect light. Easy maintenance. \$129.95  
Brookfield Communications, 2100 Mayview Drive, Los Angeles, CA 90027-4636, (800) 533-dB60

### ProfessionalPlus Glare/Guard™

Concerned about vision problems after long hours in front of your computer? OCLI's Glare/Guard filters relieve computer-related eye symptoms such as eyestrain, blurred vision, double vision and headaches by eliminating glare up to 99%. ProfessionalPlus also eliminates ELF/VLFE-field (electric field) radiation by 98 percent and neu-

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tralizes static charge. The modernized ProfessionalPlus filter is an essential part of the universal workstations appearing in offices everywhere, and is now available in a universal model which fits hundreds of monitors. Sizes available to fit the Commodore Amiga 1084S, 1801, 1802, and 1902A. \$99.00  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

## ◆ RGB-Monitor-Cable

RGB monitor cable. We manufacture any length and pin-out for any known RGB monitor to be used with an Amiga. NTSC/PAL, A-Max II. Workbench 2.0 compatible. From \$25.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## SoftTouch™

SoftTouch is a part of OCLI's GlareWare accessory line for computers. SoftTouch is a lint-free, hand-selected natural chamois specially prepared for cleaning fine optical surfaces. SoftTouch is enclosed in every Glare/Guard® ProfessionalPlus™ box, and is also available as a separate item. \$5.95  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

## ◆ TTL-Monitor-Cable

TTL monitor cable for any Amiga. Plugs into the RGB port; allows you to use most of the minor flickering black and white TTL monitors. Also known as b/w Hercules Monitor (Commodore 1402). NTSC/PAL, A-Max II. English/French/German manual. Workbench 2.0 comp. \$39.00  
*Pre'spect Technics Inc., P.O. Box 53, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ TTL-Monitor-Y-Cable

TTL monitor cable for any Amiga. Plugs into the RGB port; allows you to use most of the minor flickering black and white TTL monitors. Also known as b/w Hercules Monitor (Commodore 1402). Simultaneously runs any RGB monitor. NTSC/PAL, A-Max II. English/French/German manual. Workbench 2.0 compatible. \$59.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ VGA-Monitor-Cable

VGA monitor cable. We manufacture any length and pin-out for any known VGA monitor to be used with an Amiga. Send us the pin-out of your monitor. NTSC/PAL, A-Max II. Workbench 2.0 compatible. From \$29.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ VGA-Switch

VGA switch buffered to switch between Amiga RGB and a VGA PC video card. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$95.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## VOPEX-3A12H

A video splitter that allows 12 monitors to be attached to a single computer. With 230MHz bandwidth, the highest resolution monitors will display an image as crisp as the original. This unit can handle displays up to 1500 by 1500 resolution. All connectors are female BNC. Monitors can be placed up to 500 feet away by utilizing coax extension cables. Amiga interface cable available for an additional \$20.00. One year warranty. \$2100.00  
*Network Technologies Incorporated, 7322 Pettibone Road, Chagrin Falls, OH 44022, (800) RGB-TECH*

## Vantage

The Vantage, also made of tempered glass, but without the anti-glare coating on the back surface of the glass or the conductive coating, reduces glare up to 95 percent. In addition, it enhances contrast, sharpens data on the screen, reduces the halo effect, and eliminates screen flicker. The Vantage has sizes to fit the Amiga 1080 and the Amiga 1084S. \$59.95  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

## ◆ ◆ ◆ NETWORKING ◆ ◆ ◆

### 560 Arcnet Network Interface Adapter

2.5MB Arcnet Local Area Network (LAN) Board for Amiga 500. Supports Arcnet Bus Topology Network. Supports up to 256 nodes. Internal connector for optional 1MB RAM expansion unit. Full support for Amiga AUTOCONFIG. Includes: A560 main unit, enhanced power supply, BNC T Connector, BNC to BNC cable (two meter), 93 ohm Network Terminator.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ ARNIS

ARNIS is a network operating system for Amigas, based on the UNIX protocol UUCP. Its functions are electronic mail, remote file copy, remote process launching, remote shell access (maintenance), electronic news, installation and configurations models, and deferred launching of remote commands. ARNIS offers a high quality of graphic interface. All the actions are done through icons, menus, and limited keyboarding zones. NTSC or PAL, AmigaDOS 2.0 compatible. Price: 2500FF.  
*IMEDIA, Cap 107-67, rue Robespierre, 93558 Montreuil-Cedex, France, (011) 3314-857-5959*

### ◆ Alan-FS

Allows Amiga computers to be connected together via A2065 Ethernet LAN Board and AS-225 to form a network environment. Alan-FS provides either client/server or peer-to-peer access to any device conforming to AmigaDOS packet interface for IPC. Alan-FS is sold as a site license, for unlimited use at one physical location. Requires AmigaDOS 2.0, AS-225, A-2065. \$500 Canadian.  
*Canadian Prototype Replicas, P.O. Box 8, Breslau, Ontario, Canada N0B 1M0, (519) 884-4412*

### Amiga 2000 AmigaNet Ethernet Board

With the Hydra Ethernet board, the Amiga now has a full standard Ethernet connection. All Amigas can be connected in one network and share all the resources each of the Amigas in the net can provide. Several Amigas can use a single laser printer or access a large capacity hard disk. Users can also chat to each other and exchange programs. The AmigaNet (the Ethernet on the Amiga) is as fast as the fastest hard disks on the market. In addition, the software that is supplied with the board was written by the creators of AmigaDOS and Helios. There is also an AmigaNet Starter Package available for \$1,299.00. \$699.00  
*Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

### Amiga Arcnet Network Adapter (A2060)

Arcnet Network Adapter for the Amiga 2000 and 3000 series. \$229.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga Client Software for Novell NetWare

ACS adapts any standard Novell NetWare network to allow Amiga computers to act as workstations or clients. ACS can be added to any existing Novell NetWare system running Version 2.15 or higher. Amiga users enjoy all the network capabilities available to IBM and Macintosh workstations. Users receive their own personal set of Amiga Preferences—including network printing preferences—automatically when they login from any Amiga on the network. Priced from \$199 for one Amiga workstation to \$1,799 for 50 Amiga computers on Novell NetWare network. Larger network configurations available.  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### Amiga Ethernet Network Adapter (A2065)

Ethernet Network Adapter for the Amiga 2000 and 3000 series. \$331.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ AmigoArcNet

AmigoArcNet software is designed to provide 2.5Mbps Arcnet Local Area Peer-to-Peer networking with Commodore's Arcnet Network Interface Adapters: A560 for the A500, or the

A2060 for the A2000 or A3000. The software provides bi-directional communication for up to 256 Amiga computers using Commodore's Arcnet Network Interface Adapters. The AmigoArcNet package consists only of software, and a package is required for each computer on the network. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### ◆ AmigoEtherNet

AmigoEtherNet software is designed to provide 10Mbps Ethernet Local Area Peer-to-Peer networking with Commodore's Ethernet Network Interface Adapter: A2065 for the A2000 or A3000. The software provides bi-directional communication for up to 16 million Amiga computers in Commodore's Ethernet Network Adapters. The AmigoEtherNet package consists only of software, and a package is required for each computer on the network. Software \$250 per node or Hardware/Software \$581 per node. Site licenses available. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### ◆ AmigoNet

Serial port networking software for the family of Amiga computers. The software is designed to be used on the serial port of all Amigas and the computers may be networked with Amigo's serial port expansion (eight channels) card ComPorts on an Amiga 2000 or 3000. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### ◆ AmigoParNet

Parallel port networking software and hardware for the family of Amiga Computers. The software is designed to provide bi-directional communication for up to 16 Amiga computers on the parallel port. The AmigoParNet package consists of software, and a tee for daisy chaining three computers on the parallel port. A buffer pass thru connector is provided to add additional computers to the network and to allow for increased cable distance between them, \$35. AmigaDOS 2.0 compatible. \$250.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### CAL 032 Superlink

A2000 interface internal plug-in card. Supplied with CatenaNet software, which provides a print spooler, access to remote files and peripherals, and interworks with SimpleNet. Price unavailable.  
*Nine Tiles, 25 Greenside, Waterbeach, Cambridge, England CB5 9HW, (011) 4422-386-2125*

### CAL 042 Superlink

A500 interface. Plugs into expansion connector on side of A500. Supplied with CatenaNet software. Price unavailable.  
*Nine Tiles, 25 Greenside, Waterbeach, Cambridge, England CB5 9HW, (011) 4422-386-2125*

### DoubleTalk 2000/3000

A fully AppleTalk™-compatible network system for A2000/3000. Allows full networking with Amiga and Macintosh™ computers. Operates at double speed on Amiga-only networks. \$449.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### ◆ DoubleTalk 500

A fully AppleTalk™-compatible network system for the A500. Allows full networking with Amiga and Macintosh™ computers. Operates at double speed on Amiga-only networks. \$499.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144*

### IDS Multiboard

The IDS Multiboard is a multi-user BBS system for the Amiga. It features true multi-user support for up to 32 simultaneous online users, full-featured CB Simulator, remote AmigaDOS CLI access, and real-time user editing. Plus, the system

# Miscellaneous Hardware

is fully Intuition controlled. The IDS Multiboard also has an open-architecture design, allowing programmers to add unlimited features to the system. It can run as a single user system, using the Amiga's standard serial port, or with up to 32 lines using readily available serial cards such as ASDG's Dual Serial Board. NTSC/PAL compatible. \$249.99

*Intercore Development Systems, P.O. Box 76, Nesconset, NY 11767, (516) 361-6998*

**\$225 Network Communications Software**  
TCP/IP and UDP/IP Protocol support for Department of Defense and other TCP/IP Network applications. Network File System Client Application Support. VT100 Network Terminal Emulation. Supports LEthernet solutions based on both Thick and Thin Ethernet (Cheapernet). Requires 1MB RAM. \$199.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## ◆ ◆ ◆ PORT EXPANSION ◆ ◆ ◆

### A2232

The A2232 is a multi-serial port card that provides the Amiga user seven additional RS232 ports. Each port can operate independently or simultaneously, and provides speeds up to 19.2K Baud. Additionally, the A2232's shared on-board RAM and dedicated micro-processor provides high-speed operation and full multitasking which is critical for many of the sophisticated applications that have been developed on the Amiga. \$388.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ACD Serial Interface Boards 2 & 4

Fits into one of the 100-pin expansion slots. Gives you two additional serial ports for a large variety of applications. Connect several printers, plotters, and scanners to your Amiga simultaneously. Auto-config and takes only a 64K address range. Drivers software and terminal program are shipped with the Serial Interface Board 2. SIB2: 299 Duetschemarks; SIB4: 349 Duetschemarks. *Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

### BusExpander™

Sub Assemblies turn a baby AT box and power supply into A2000-compatible expansion chassis. Has six Amiga slots and six to eight IBM slots. Supports autoconfigure, bus arbitration, and bus contention detection. Connects to either the A500 or A1000. \$395.00

*Bill's Boards, 9528 Miramar Road, Suite 181, San Diego, CA 92126, (619) 486-0908*

### ● Comports 8, RS-232 Communications Interface

Comports is an eight channel serial expander for the A2000 or A3000. It enables the computer to function as a true multitasking workstation supporting devices which work with RS-232 serial ports such as modems, laser discs, video equipment printers, tablets, etc. The communications compatibility list includes all programs which call the Amiga's Serial Device and other programs which use the board's advanced communication features. Upgrades to support full MIDI are available. Various breakout boxes/cabling arrangements are available. AmigaDOS 2.0 compatible. \$379.00

*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*

**Please see display ad page 144.**

### Dual Serial Board

ASDG's DSB provides a complete expansion serial port solution including compatible EXEC and DOS drivers. The DSB can be used to drive most PostScript printers at 6 times their normal serial speed. The DSB is compatible with every serial communications program tested including AtalkIII, Access, VT100, Comm, and Whap. \$250.00

*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### ◆ M-Digit

M-Digit is an audio digitizer to be used with any standard audio digitizer software, for example, Audio Master from AEGIS. Runs at any speed.

NTSC/PAL. English/French/German manual. For A500, 2000, and 3000—A1000 on request. Workbench 2.0 compatible. \$56.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ MFC™ MultiFaceCard 1000

The MFC for the A1000 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—19200, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. MFC 1000 is special bundle of MFC 2000 with Naked-F built into a metal cover which plugs into A1000 expansion port. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$345.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ MFC™ MultiFaceCard 2000/3000

The MFC for the A2000/3000 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—19200, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$295.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ◆ MFC™ MultiFaceCard 500

The MFC for the A500 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—19200, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. MFC 500 is a special bundle of MFC 2000 with Naked-F built into a metal cover which plugs into the A500 expansion port. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$345.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### ● Microshare MCS 1050

The MCS 1050 interface is an external device that converts the Amiga's centronics (parallel) port signals into IEEE-488. No software is required and the unit is fully user transparent. Allows connection of Commodore PET or any other IEEE printer. For any Amiga, any OS. One-year warranty. \$239.95

*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### ◆ PPA-1000

Allows use of A500,2000,3000 specific peripherals on A1000. Works with Digi-View and Digi-View Gold, Perfect Sound Audio Digitizers, PP&S Framegrabber, printer cables, and virtually any device that uses the parallel port. \$19.95

*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232, (813) 378-5477*

### ◆ PPA-2000

Allows use of A1000 peripherals on A500, 2000, 3000. Works with Digi-View, Digi-View Gold, Perfect Sound Audio Digitizers, PP&S Framegrabber, printer cables, and virtually any device that uses parallel port. \$19.95

*Luna Tech, Inc., 3667 Lalani Way, Sarasota, FL 34232, (813) 378-5477*

### Parallel Port Adapters

These adapt the 1000 to 500/2000 parallel port and vice versa. Separate product for each conversion. AUS \$30.

*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

### PrInterface

PrInterface is a cost-effective solution to the problem of where to connect a printer by adding a second centronics compatible parallel output port to the A500, A1000, or A2000 and redirecting all printer data bound for the Amiga's parallel port to the PrInterface port. No more cable swapping, switch throwing, or digitizing noise. When it's time to digitize, the digitizer software talks directly to the digitizer. When it's time to print, the system talks to the printer through PrInterface. More than just a switch, PrInterface supports full Amiga multitasking, allowing you to print while the Amiga's parallel port is in use. And PrInterface works through Preferences, assuring full compatibility with all printers supported by the system. \$89.95

*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

### ◆ Printer-Y-Cable

Printer-Y-Cable replaces the dangerous switches. Two computers run one printer. Print job: first come, first served. Can be cascaded. English/French/German manual. Workbench 2.0 compatible. \$180.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### Serial Expander 2000

Adds an A1000-compatible serial port to the A2000. This product will be of interest to users who have upgraded from the A1000 to the A2000. It will allow them to use any of their existing serial devices designed for the A1000 (such as MIDI interface) on the A2000. \$19.95

*Golden Hawk Technology, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063, (603) 424-0269*

### The Serial Solution

Contains all the features you need for serious multiport applications. The included software drivers are compatible with the standard Amiga devices and handlers. Contains one Amiga-compatible 25-pin serial port which accommodates specialized Amiga peripherals like MIDI interfaces. And one AT-compatible 9-pin serial port that will support non-Amiga peripherals, like laser printers and FAX machines. Supports MIDI and standard Baud rates. \$199.00

*Checkpoint Technologies, P.O. Box 2035, Manassas, VA 22110*

## ◆ ◆ ◆ PRINTERS ◆ ◆ ◆

### ◆ ColorPage Plus Printer

Full-color 300 dpi printer uses thermal process for bright, sharp color prints up to 11 x 17 inches. Print IFF24 files using AdPro 2.0. Produce overhead transparencies for business presentations. Make T-shirt transfers for fun and profit. For all Amigas (A1000 requires adapter). Requires 1M RAM, minimum 5M (hard disk or RAM), accelerator recommended. \$8995.00

*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501, (310) 618-0274*

### ◆ ColorPage Printer

Full-color 300 dpi printer uses thermal process for bright, sharp color prints up to 8.5 x 12 inches. Print IFF24 files using AdPro 2.0. Produce overhead transparencies for business presentations. Make T-shirt transfers for fun and profit. For all Amigas (A1000 requires adapter). Requires 1M RAM, minimum 5M (hard disk or RAM), accelerator recommended. \$3495.00

*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501, (310) 618-0274*

### DeskJet

A 300 dpi monochrome ink jet printer. Print quality just short of laser quality. \$795.00

*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

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## DeskJet PLUS

An updated version of the DeskJet, offers 300 dpi monochrome, ink jet printing. This serial printer prints at 120 cps offering graphics at one to two minutes per page. The DeskJet PLUS offers better paper handling and faster processing than the original DeskJet. \$1495.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

## Enhanced Sharp JX-730 Printer Driver with palettes, Version 2.0

The Amiga printer driver is for use with the Sharp JX-730 color Ink-Jet Printer. The printed output can be varied from light to dark using the density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (i.e., blue on screen prints as blue on paper, not as purple). Four Workbench 1.3- and 2.0-compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$44.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229*

## Enhanced Tektronix ColorQuick Printer Driver with palettes or pictures, Version 1.01

The Amiga printer driver is for use with the Tektronix ColorQuick Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Four Workbench 1.2 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$59.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229*

## Enhanced Xerox 4020 Printer Driver with palettes or pictures, Version 2.01

The Amiga printer driver is for use with the Xerox 4020 Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Three Workbench 1.2 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$34.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229*

## KODAK SV6510 Driver

The KODAK SV6510 is a 24 bit-per-pixel dye sublimation printer which creates prints measuring 4 x 5 inches in size. This driver completely integrates the KODAK SV6510 into Art Department Professional. Any image which can be loaded into or created within ADPro can be quickly sent to the SV6510. Requires ADPro and a KODAK SV6510 printer. \$250.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

## KX-P4420 Laser Printer

The new KX-P4420 laser printer is a low-cost printing solution that fills the bill by combining price and performance, and represents one of the best values for the small business and home professional markets. It offers exceptional print quality, quiet operation, and speed. \$1395.00  
*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

## LaserPrinter 4

A four-page-per-minute laser printer which incorporates a RISC based processor for faster throughput speed. Offers full compatibility with the HP LaserJet IIP, both hardware and software. The LaserPrinter 4 has a 1MB standard memory, expandable up to 5MB. Comes bundled with

Turbo25 font cartridge offering 151 fonts. Two-year limited warranty. \$1395.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## LaserPrinter 4 Starscript

The LaserPrinter 4 StarScript is a four page-per-minute, PostScript-compatible laser printer, with parallel, RS-232C serial and AppleTalk interfaces. 2MB standard RAM, 35 resident outline fonts. RISC-based processor enables high-speed throughput of complex graphics. Two-year limited warranty. \$1995.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## MPS-1270 Ink Jet Printer

Black and white quality ink jet printer, 160 characters per second output. \$223.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## NX-1001 Multi-Font

A 9-pin dot matrix printer offers a draft printing speed of 180 characters per second and a near-letter-quality speed up to 75 characters per second. Five resident fonts and convenient paper handling including paper parking. Two-year limited warranty. \$229.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## NX-1020 Rainbow

A 9-pin dot matrix printer which prints out in seven colors. Draft printing speed up to 225 characters per second. Advanced features allow bi-directional printing, paper feeding from top, bottom, or rear. Extremely quiet and easy to use. Two-year limited warranty. \$299.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## NX-1500 Multi-Font

A nine-pin dot matrix printer with high-speed printing, 180 cps in draft mode. Prints hi-res text and graphics. Comes with four near-letter-quality fonts and IBM/Epson compatibility. Two-year limited warranty. \$499.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## NX-2415 Multi-Font

A 24-pin dot matrix printer with blazing 200 cps speed in draft mode and up to 66.7 cps letter quality mode. Four resident letter-quality fonts, with full IBM/Epson compatibility. Forward and reverse micro-feeds let you position the paper exactly where you want it. Two-year limited warranty. \$599.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## NX-2420 Multi-Font

The cost-effective NX-2420 is a 24-pin dot matrix printer with seven resident fonts. Offers high resolution graphics up to 360 dots per inch. Superior paper handling features including a convenient paper parking, rear and bottom feeding. Full two-year limited warranty. \$449.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## NX-2420 Rainbow

A 24-pin dot matrix printer which offers seven color printing. High speed draft mode with speeds up to 250 cps. Letter quality mode with speeds up to 100 cps. High resolution graphics up to 360 dpi. Seven resident fonts. Limited two-year warranty. \$499.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## NX-2430 Multi-Font

The NX-2430 is an 24-pin dot matrix printer with high-end features including front panel LCD display, font scalability, WYSIWYG capability, and auto emulation change. It is a standout value for small business and home office users. Two-year limited warranty. \$399.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## PaintJet Color Graphics Printer

With a high-resolution 180 dpi, the PaintJet offers color printing for the Amiga. Near-Letter-Quality (NLQ) mode offers printing as fast as 167 cps. Amiga Workbench 1.3 supplies a printer driver.

Supports all Amiga resolutions and modes. \$1395.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

## PaintJet XL

Similar to the PaintJet Color Graphics but offers printing three times as fast. Also allows single-sheet feed as well as tractor feed and paper sizes up to 11 x 17 inches. \$2495.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

## Polaroid CI 3000 Digital Film Recorder

True continuous tone 24-bit color film recorder with 2048 x 1366 pixel resolution on 35mm slides. Includes 35mm and Polaroid Pack Film camera backs and a 35mm instant slide film processor/mounting kit. For use with Art Department Professional & CI 3000 driver, 3MB min. \$4495.00  
*ASDG/Polaroid, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

## SBP-10 Plus

This heavy-duty 18-pin business printer boasts original-five copy multi-part forms handling, letter quality printing, draft print speeds up to 800 cps and a push/pull tractor with zero tear-off. The SBP-10 Plus front control panel features a 32-character LCD readout. A group switch stores up to 10 group settings of up to 40 combinations of mode, pitch, paper-feed, and more in memory. \$4495.00  
*Seikosha America Inc., 10 Industrial Avenue, Mahwah, NJ 07430, (800) 338-2609*

## SaxonScript Professional

The world's most sophisticated PostScript Interpreter. Produces better graphic output than Adobe PostScript printers. Virtual memory and automatic sensing of 68881/68882. Compatible with ALL Preferences printers and ALL PostScript applications (Professional Page, PageStream, QuarkExpress, CorelDraw, etc.). Supports all monochrome/color PostScript operators and downloadable PostScript fonts; file conversion to IFF, EPS, AEPS, or DR2D; font conversion to Amiga Bitmap, Adobe/PC/Saxon Type 1 formats; extraction of imbedded fonts from PostScript disk files; true PostScript Screen Preview; PostScript compression, moire testing, and more. Free with Saxon Publisher V1.2. NTSC/PAL. International keyboards, foreign distribution. Requires 68000/020/030/040, 1MB min., one floppy and one hard or two floppy disk drives. AmigaDOS 1.3, 2.0 compatible. \$130.00  
*Saxon Industries, P.O. Box 33005, Nepean Ontario, Canada K2C 3Y9, (613) 228-8043*

## StarJet SJ-48

The StarJet SJ-48 is a highly-functional, multi-purpose, four-pound ink jet printer designed for the executive on the move. It very quietly prints virtual laser quality on almost any type job whether in an office, home, hotel room, airplane or train. Two-year limited warranty. \$499.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## XB-2420 Multi-font

A 24-pin, heavy duty printer for high-quality, fast output applications. Four print modes, from High Speed Draft Mode, 375 cps, to super Letter-Quality Mode. Handles single-sheet and fanfold paper. Color printing option. Two-year limited warranty. \$749.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## XB-2425 Multi-Font

A 24-pin, heavy duty, wide carriage printer for high-quality, fast output applications. Four print modes, from High Speed Draft Mode, 375 cps, to Super Letter Quality Mode. Handles single-sheet and fanfold paper. Color printing option. Two-year limited warranty. \$949.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## XR-1020 Multi-Font

Industrial-strength printer able to print up to 420 cps. Three printing speeds, High Speed Draft, Draft and Near-Letter-Quality. Contains 16 resident fonts, simple pushbutton control panel and

# Miscellaneous Hardware

color option. Two-year limited warranty. \$549.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## XR-1520 Multi-Font

Wide carriage, industrial-strength printer able to print up to 420 cps. Three printing speeds, High Speed Draft, Draft, and Near-Letter-Quality. Contains 16 resident fonts, simple pushbutton control panel, and color option. Two-year limited warranty. \$699.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## ❖ ❖ PRINTER/BUFFERS ❖ ❖

### ❖ Microshare MCS 8004/MCS 8008

The MCS 8004 and MCS 8008 are intelligent multi-use printer buffers and spooler combinations. They allow up to four or eight computers to share a single printing device, even if the computers are of different makes. No software is required and the system is completely user transparent. For any Amiga, any OS, any other computer systems with parallel ports. One-year warranty. U.S. \$425/\$595.

*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### PP-256K Printer Buffer

256K Buffer. Frees the computer from time-consuming printing. Prints multiple copies without the computer. Cuts graphics printing time by 70% or more. 4KB/second throughput. LED indicator, reset function, bypass mode, and automatic memory sizing. One-year warranty. Available in 512K and 1MB versions also. \$149.95  
*Micro R & D, Inc., 721 O Street, Loup City, NE 68553, (308) 745-1243*

### SA-10 EPROM Programmer

Stand-alone programmer capable of programming the 2716 to 4MB devices. The SA-10 comes standard with 1MB (128K) of memory, and can be upgraded to 8MB using 1MB DRAM. The SA-10 features a 4 x 20 character LCD, 20-key tactile keypad, RS232, and parallel in and out. The SA-10 can communicate with the Amiga using any standard ASCII terminal software via the serial port up to 115K baud. The printer-out port allows direct printing of data or macro configurations, or you can use the SA-10 as a printer buffer equal to the amount of installed DRAM. \$550.00  
*Needham's Electronics, 4539 Orange Grove Ave., Sacramento, CA 95841, (916) 924-8037*

## ❖ ❖ ❖ PRINTER/LASER ❖ ❖ ❖

### LaserJet IIP

Four-page per minute, low-cost laser printer. Extremely small footprint. \$1295.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

### PC Laser 6000/PS

This versatile printer offers Hewlett-Packard's LaserJet Series II emulation. In PostScript mode, users can produce newsletters, brochures, presentation material, computer-aided design, and other highly formatted text and graphic output, and is compatible with many popular software packages. With its parallel, RS-232C serial and RS-422 (Appletalk) interfaces, the PC LASER 6000/PS is compatible with IBM personal computers and compatibles as well as with Apple and Macintosh computers. It prints full-page bit-mapped text and graphics at 300 dpi, and features 35 typefaces in 11 fonts for use in the PostScript mode. In HP mode, 24 standard HP fonts are resident on the printer and additional HP soft fonts can be downloaded. \$4495.00  
*Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006, (201) 882-2000*

## ❖ ❖ ❖ PRINTER/INKS ❖ ❖ ❖

### Ink-Jet Ink

Ultra-Black ink in a monopack disposable Max-well dispenser provides the user with a handy and very easy-to-use alternative. Available in

two-pack set. 5 ml cartridge: \$5.50.  
*Jet Technology, 16 Pembroke Road, Weston, MA 02193, (617) 239-8383*

## ❖ SCANNERS & DIGITIZERS ❖

### Aegis ScanMaster

ScanMaster image scanner captures 24-bit images at up to 300 DPI resolution, showing up to 16.7 million colors—or 256 shades of gray—using a reliable flatbed design large enough to handle documents up to 8.5 x 11.7 inches in size. ScanMaster comes with ImageMaster software, providing image-processing tools for adding special effects, enhancing, manipulating and saving images, including a facility for making professional 24-bit 16.7 million shade-CMY or CMYK color separations from any scanned image. \$1999.00  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

### ◆◆ BarPro/A Version 2.1

Bar code printing and IFF image software for all Amiga systems. Generates images of bar coded data on a medium res screen in four different sizes. Screen image of bar code symbol can be printed with or without accompanying text; can be saved as IFF file with or without accompanying text for importation into Amiga paint and desktop publishing programs. BarPro/A prints Code39, Code39 Full ASCII, Code93, Code93 Full ASCII, Code25, Code25 Interleaved, Code128A, Code128B, Code128C, Codabar, and U.S. Postal Zip Code (Postnet) bar code symbologies. Postnet label lines can now be set either thick or thin to accommodate wide range of printers. Full ARexx interface lets you print labels from databases and name/address labels with Zip Code bar code label. NTSC/PAL. AmigaDOS 1.3-2.0 compatible. \$4 shipping. \$129.95  
*Megagem, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 154.**

### Digi-View Gold 4.0

NewTek's new dynamic palette control allows all 4096 colors to be displayed in high resolution with overscan, thus providing sharper HAM images and virtually eliminating HAM fringing. The LBJ technology allows the user to selectively filter background noise from the video signal for sharper, clearer images. Digi-View 4.0 supports ARexx. New Digi-Port feature allows captured images to be displayed directly into Digi-Paint 3, and resolutions may be changed from inside Digi-View 4.0. 24-bit RGB files may be loaded and saved for further image processing or exporting to typesetters or frame buffers. Many more enhancements have been added to Digi-View 4.0, allowing you to create images with ease. \$199.95  
*NewTek, 215 S.E. 8th St., Topeka, KS 66603, (913) 354-1146*

### EPSON ES-300C Driver

This driver module fully integrates the EPSON ES-300C flatbed color scanner into the Art Department Professional. The driver offers a high resolution gray scale preview mode—which is switchable from inches to centimeters—with full WYSIWYG operation. The driver allows scans at up to 600 dots-per-inch, the maximum supported by the scanner. Requires Art Department Professional and an EPSON ES-300C color scanner. Stand alone and Art Department Professional loader versions are included. \$200.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Geniscan Handy Scanner

Hand Scanner with 400 dpi resolution and 4 1/8 inch width. Adjustable switches for brightness and contrast. Software compatible with most leading software packages. \$299.95  
*Rio Computers, 3310 Berwayck St., Las Vegas, NV 89121, (800) 782-9110*

### Handiscan

400 dpi disk top scanner for the complete line of Amiga computers up to 16 grey levels virtual page support 3 optional dithering patterns. \$349.95  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901*

### Migraph Hand Scanner and Touch-Up

Migraph Hand Scanner and Touch-Up allows you to scan any monochrome or color image and save it as a monochrome image or convert it to gray scale IFF or TIFF formats. Loads and saves many file formats and includes a wide variety of powerful editing tools. \$399.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003, (206) 838-4677*

### ◆ Migraph Merge-It and Scanning Tray

The Scanning Tray allows you to scan a full page image in two passes, quickly and easily, using the Migraph, AlfaData, or Golden Image hand scanner. Merge-It software then allows you to merge the two scans into one image. NTSC/PAL. Requires 0.5MB. \$129.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003, (206) 838-4677*

### ◆ Migraph OCR

Migraph OCR allows you to turn any scanned IFF or TIFF file into an editable ASCII file that can be loaded into a word processor or DTP program. Pretrained on 20 typefaces, Migraph OCR uses Omnifont technology, is trainable, and lets you define your own libraries of trained characters. NTSC/PAL. Foreign language support. Establishing foreign distribution for 1992. Requires 2.5MB RAM, hard disk. \$299.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003, (206) 838-4677*

### ◆ Phovos 300C Scanner

This 24-bit (16.7 million colors), 8.5- x 11-inch flatbed machine scans at an optically true 300 dpi, or 600 dpi with software enhancement. Capture images in RAM or directly to disk. Works with Migraph's OCR software and Metadigm's driver for image capture in ProPage 3.0. For all Amigas (A1000 requires adapter). Requires 3MB RAM, minimum disk: 5MB, hard or RAM. Accelerator recommended. \$1295.00  
*Prime Option, 2341 W. 205th St. Ste.116, Torrance, CA 90501, (310) 618-0274*

### ◆ Scan and Save

Scan and Save allows you to quickly and easily scan and save an image for screen display or printing via a desktop publishing program. Works directly with the Migraph, AlfaData, or Golden Image hand scanners. NTSC/PAL. Requires 1MB and compatible hand scanner. \$20.00  
*Migraph, Inc., 32700 Pacific Highway South, Ste 12, Federal Way, WA 98003, (206) 838-4677*  
**Sharp JX-300**  
 Scans originals up to 8.5 x 11 with a 300 dpi resolution. This 24-bit color scanner is intended for most business and some high-end applications. For use with Professional ScanLab. \$2345.00  
*ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Sharp JX-450

Sharp's color scanner for desktop publishing, slide creation, and other areas demanding high-end image processing. Easy operating, high-quality desktop full color scanner. Provides the precision quality scanning of a console from a desktop. 300 dpi resolution capacity ensures accurate, detailed images. Scanning of slides and transparencies available with optional mirror. Scanning capacity up to 11 x 17. For use with Professional ScanLab. \$5995.00  
*ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Sharp JX-600

Sharp's color scanner for desktop publishing, slide creation, and other areas demanding high-end image processing. Easy operating, high-quality desktop full color scanner. Provides the precision quality scanning of a console from a desktop. 600 dpi resolution capacity ensures accurate, detailed images. Scanning of slides and transparencies available with optional mirror. Scanning capacity up to 11 x 17. For use with Professional ScanLab. \$14995.00  
*ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### ◆ TOP-SCAN

Epson scanner driver, 16 Mio colors, all formats. NTSC/PAL. English/German manual. Workbench 2.0 compatible. \$298.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

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## ♦ ♦ ♦ SCIENTIFIC ♦ ♦ ♦ DIGITIZERS AND CONTROLLERS

### AQ4882A Kit

The AQ4882A Kit is a full function IEEE-488 (HPIB & GPIB) adapter for the A500, A1000, and A2000 computers. It connects to the Amiga's parallel port and performs all talker, listener, and controller functions. This allows the Amiga to control up to 14 devices, or act as a device in a larger system. Includes drivers for AmigaBASIC, C, and Assembly languages. \$295.00  
A.D.I., 3514 Olive Street, Huntington Park, CA 90255, (213) 581-1188

### Ameega\_GPIB

Ameega\_GPIB is a General Purpose Interface Bus card for the Amiga series. This half-length expansion card performs all of the talker, listener, and controller functions of the GPIB (IEEE-488) protocol. One Amiga can simultaneously control up to 14 of the thousands of GPIB devices on the market. Included is the Command Function Library (ACDA GPIB CFL) which is Manx and Lattice compatible, test application programs and 'C' driver. Now you can control GPIB devices in an intuitive and friendly way using screen buttons, menus, and the mouse. See Amazing Computing (Vol 4.11, 1989) for review. \$495.00  
ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722

### Data Acquisition Unit

Turns your Amiga into a sophisticated digital storage scope. Measure and display inputs from millivolts to 50 volts with 1 MHz bandwidth. Display events from microseconds to hours. \$179.95  
Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

### DataStation

The DataStation features a 16 channel 12-plexed bit multiplexed analog(D/A) converters, 32 Digital Input-Output(DIO) channels, and 3 independent counter-timer channels. DataStation also features a highly stable instrumentation amplifier with programmable gain (optional), multiple triggering sources, and on-board digital waveform generation. Data acquisition and process control projects are a snap to develop with the DataStation Data Acquisition System (DAS) software and 'C' source code. Sample application programs and sources are included for each of the DataStation functions. The DataStation includes complete documentation. See Amazing Computing (Vol. 4.11, 1989) for review. Configurations from \$475.00 to \$1450.00  
ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722

### DigiScope Plus

A digital storage oscilloscope emulator that works with DataStation and parallel-port digitizers. It has 16 independently controlled waveform buffers, a digital signal processing (DSP) package, a Fast Fourier Transform (FFT) package, and a Digital Filter Design package (option). \$159.95, \$179.95 (with Filters option)  
ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722

### MW-201

General purpose INPUT/OUTPUT card with RS-232 interface. Digitizes 16 analog inputs, provides 14 high-current digital outputs, and one analog output. Uses 6511Q microprocessor and built-in intelligent user interface. \$365.00  
Electronic Innovations Corp. (EIC), 3333 S. Wadsworth Blvd. #C101, Lakewood, CO 80227, (303) 987-2441

### ezAD

Low-cost system for monitoring events with your Amiga. Measure, graphically display, and record temperature, pressure, light intensity, etc. No separate power supply required. Connects to second gameport. Does not interfere with parallel or serial port operation. Multitasking software runs from Workbench. Complete hardware and software systems starting at \$79.90. AREXX interface provided. Various sensors available.  
Boone Technologies, Inc., P.O. Box 15052, Richmond, VA 23227, (804) 264-0262

## ♦ ♦ ♦ SOUND AND MUSIC ♦ ♦ ♦ HARDWARE/DIGITIZERS

### AMAS

From Microdeal. AMAS is a full-featured 8-bit stereo audio digitizer complete with a full implementation MIDI interface. The digitizer accepts mono or stereo inputs via its line input sockets and is equipped with an extra microphone input socket for direct vocal signal input. \$199.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

### ♦ AMAS 2

A sound sampler and MIDI interface. This wedge-shaped cartridge plugs into the parallel and serial ports and allows you to analyze sounds. Record sounds from tape players and CD players; change the way they sound with the editor. Then use AMAS 2's MIDI playback controls to replay the sample from a MIDI keyboard. Cut and delete selected sample areas, mix samples with full or half volume, fade in and out with selectable degree, filter your samples, and more. Other features include real-time record/play ghost markers and full editing and control facility for left/right channels. From Microdeal. \$199.95, £99.95.  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

### ♦ Aegis SoundMagic

This 8-bit Sound Digitizer is capable of sampling up to 56K samples per second. Features a built-in microphone, stereo and mono input jacks, plus volume control and overload indicator. Includes Aegis' best-selling AudioMaster IV sampling software for a complete solution. NTSC/PAL. German language support. Requires Workbench 1.3 or higher, Kickstart 1.3 or higher, one disk drive, 512K RAM. \$199.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### Aegis SoundMaster

Aegis SoundMaster is a sound digitizer that can range from 1 to 56K. The unit comes with left and right input jacks, plus two microphone inputs. A slider bar lets you set sampling volume, while a red overdrive light warns you when input volume is too high. For voice digitizing, SoundMaster has a built-in dynamic microphone and green MIC ON light. Along with a three-foot parallel port connector cable, SoundMaster comes with Aegis AudioMaster III audio digitizing and manipulation software. \$199.95  
Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227

### DIGI-SOUND Stereo Audio Digitizer

DIGI-SOUND stereo audio digitizer features left and right line inputs and gain controls and a stereo microphone jack. DIGI-SOUND is perfect for use with Audiomaster and most other commercial and public domain sampling software on A500, A2000, A3000, and CDTV. \$59.95  
Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281, (404) 389-3875

### Perfect Sound 3 Adaptor

Adaptor that allows Perfect Sound 3 to be used on an Amiga 1000. \$12.95  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

### Perfect Sound 3.0

Use your stereo or a microphone to record your sound in mono or stereo, then use the sound editor to modify the sound. Delete, insert, and play them backwards, faster or slower, graph or flip record sound. Comes with a library of pre-recorded sounds and C source code. Supports IFF file format and instruments. New version 3.0 includes new software and hardware. English, German, and French versions available. \$99.95  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

### Pro Stereo Sound Sampler

High-quality stereo sound at a realistic price. Real-time level meters. Adjustable trigger level. Hi-res sample editing. Variable sample rate and playback. \$99.95  
Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

### Sound Sampler

High-quality parallel port digitizer with mic/line/switch, gain, and variable filter control. Input via two RCA jacks. \$40. AUS \$49.95 including P.D. Software.  
Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### SoundScape Sound Sampler

Digitize microphone/audio input to produce sampled sounds in Mimetics or IFF format. \$99.95  
Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117

### Studio 16 w/ AD1012

A 12-bit sampler card includes Studio 16 software, audio in/out, microprocessor, adjustable low pass filters, SMPTE time code reader. Sampling rates of up to 44.1 kHz, signal-to-noise ratio of a professional VTR. Perfect for editing video sound tracks. Software allows recording direct to hard disk synchronized with time code, and special effects. \$595.00  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

### Studio 16 w/ AD1016

A 16-bit sampler card that includes Studio 16 software, a 56001 DSP, stereo audio in/out, eight times oversampling digital filters, digital I/O for DAT or CD hookup, MIDI I/O and SMPTE In. With the signal-to-noise ratio of a CD, the AD1016 puts a modern digital recording studio in your Amiga. Studio 16 software allows direct recording to hard disk synchronized to time code, and special effects.  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

## ♦ ♦ ♦ SOUND AND MUSIC ♦ ♦ ♦ HARDWARE/GENERAL

### MidiA Musicbox

The Musicbox is a 26-voice synthesizer designed to be used as part of a computer-based music system. It matches the color of the computer and easily fits under a monitor. The Musicbox has three synthesis engines: FM synthesis—12 voices, Analog synthesis six voices, and PCM Sample Playback eight voices. There are 480 FM and 480 Analog patches, and 37 percussion samples. Half of the FM and Analog patches are editable through software. The Musicbox instantaneously allocates voices to channels. The 32 Doubles allow the user to combine any to patches at any pitch and velocity offset and treat it as a single patch. The Musicbox stores four drum kits or mapping of external sounds. The built-in computer interface eliminates the need for an external MIDI interface. \$995.00  
Marquis Music, 144 Front St. W Ste. 460, Toronto, Ont., Canada M5J 2L7, (416) 595-5498

### ♦ SyncPro

Lets users synchronize MIDI with multimedia, video, and audio hardware. Full-featured professional synchronization box supports all major sync formats including SMPTE, MIDI Time Code, and Song Pointer. Designed to work with Bars&Pipes Professional, SuperJAM, and any other Amiga application that makes use of MIDI Time Code. \$199.00  
Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
**Please see display ad page CII.**

## ♦ ♦ ♦ SOUND AND MUSIC ♦ ♦ ♦ HARDWARE/MIDI INTERFACES

### AudioLink™

AudioLink™ is a professional 16-bit linear stereo audio processor that boasts 16 voices (8 in stereo), sound sampling rates up to 48 kHz in stereo (96kHz 2x over sampling in mono), up to 16 megs on-board. Plus, 16 multi-outs (D/A converter on each out), a S/PDIF interface, MIDI, and open slot for Direct-to-Disk Transfer Card. AudioLink™



# Miscellaneous Hardware

comes bundled with sound editing software with features such as Realtime Playback, Crossfading, and Cut, Copy, and Paste between voices. Invert, Reverse, Looping and Variable Left and Right Gain. Saves in multiple formats such as AIFF and SAMP. For all models of the Amiga. Availability TBA. \$1295.00  
Beta Unlimited, 87 Summit Street, Brooklyn, NY 11231, (718) 852-8646

## ♦ DM Music

Audio digitizer/MIDI interface in one package. Unit includes pass through for both the serial and parallel ports. Digitizes in stereo at 56K samples per second in stereo. Supported by most major software packages. \$199.00  
Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511

## Deluxe MIDI INTERFACE for the AMIGA 500/1000/2000/3000

Optically isolated—Provides IN, THRU, and two switchable THRU/OUTS for maximum flexibility. Comes with 6-foot serial cable and RS-232 pass-through. Impact-resistant case and cable matches Amiga's color closely. New low price! \$69.00  
Pro-Tronic Systems Ltd., 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5, (604) 290-1631

## ECE MIDI 1000

Music instrument digital interface. Plugs into the serial port, communicates with MIDI-compatible musical instruments and equipment. Includes RS-232 bypass port. \$64.95  
Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511

## ECE MIDI 500/2000

Musical Instrument Digital Interface. Plugs into the serial port, communicates with MIDI-compatible musical instruments and equipment. Includes RS-232 bypass port. \$64.95  
Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511

## MIDI 1000

A1000 MIDI interface. MIDI IN and OUT. Connects to serial port. \$49.95  
Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117

## MIDI 500/2000

A500/2000 MIDI interface. MIDI IN and OUT. Connects to serial port. \$49.95  
Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117

## MIDI Connector

Enables the Amiga 500 to send and receive MIDI data from MIDI-equipped instruments. There is one MIDI IN port, two MIDI Out ports, and one MIDI Out/Thru port. Also comes with a switch for serial pass thru. \$69.95  
Disc Company, The, 11440 San Vicente Blvd, Los Angeles, CA 90049, (310) 207-1600

## MIDI Gold 500

Musical instrument digital interface (MIDI) for the A500. Features: MIDI IN; 2 MIDI OUT's; MIDI OUT/THRU (switch-selectable); Serial pass-through allows other serial devices to be connected at the same time (switch-selectable MIDI or serial operation). Compact size (4.3x2.3) allows the interface to be connected directly to serial port (no cable required). All metal construction. Two-year warranty. \$79.95  
Golden Hawk Technology, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063, (603) 424-0269

## MIDI Gold Insider

Musical instrument digital interface (MIDI) for the A2000. Mounts internally without using a card slot. Features: MIDI IN; 2 MIDI OUT's; MIDI THRU; Serial pass-through allows other serial devices to be connected at the same time (switch-selectable MIDI or serial operation). All metal construction. Two-year warranty. \$89.95  
Golden Hawk Technology, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063, (603) 424-0269

## MIDI Interface

Plug into your serial port and use your MIDI keyboard with our Quartet software or your own. Has MIDI in-out cables. \$59.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## MIDI Retrofit Kits (Custom)

A line of MIDI interfaces for 'the other end' allowing you to connect your computer to anything from door chimes to pedalboards to accordions to pipe organs. Call or write for more details.  
Technical Magic, 26090-62 Robertson Road, Nepean, Ontario, Canada K2H 9R0, (613) 596-9114

## ♦ MIDI for the Amiga 2000

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU for the A2000. Plugs into RS 232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
Skyles Electric Works, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

## ♦ MIDI for the Amiga 3000

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU plugs into RS-232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
Skyles Electric Works, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

## ♦ MIDI for the Amiga 500

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU for the A500. Plugs into RS 232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
Skyles Electric Works, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

## ♦ MIDI for the Amiga1000

Standard MIDI IN, 2 MIDI OUT, and MIDI THRU plugs into RS-232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
Skyles Electric Works, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

## Midimaster

MIDI Interface for all Amigas. Compatible with all leading software. Has MIDI In, MIDI Thru, and 3 MIDI Out ports. Fully opto-isolated. \$59.95  
Rio Computers, 3310 Berwayck St., Las Vegas, NV 89121, (800) 782-9110

## Model A Interface

MIDI interface for the A500 and A2000. It has one IN, two OUTS, and serial port THRU. \$75.00  
Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454

## NES, Inc. MI-001 MIDI INTERFACE UNIT

Standard MIDI interface with four MIDI OUT, one MIDI IN, and one MIDI THRU ports. Has its own power supply. \$79.95  
N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311

## Triple Play Plus

A sophisticated new MIDI interface designed to accommodate Bars&Pipes Professional. Among its features are three separately-addressable MIDI outs, allowing for 48 simultaneous MIDI channels at a time. In addition, Triple Play Plus includes one MIDI in and one MIDI thru. Users of Bars&Pipes Professional will receive special MIDI Out Tools with their purchase of Triple Play Plus, so that they can utilize the interface from within Bars&Pipes Pro. \$189.00  
Blue Ribbon SoundWorks Ltd., The, 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514  
**Please see display ad page CII.**

## ♦ ♦ SOUND AND MUSIC ♦ ♦ HARDWARE/SMPTÉ

### The Phantom

The Phantom consists of a hardware module that plugs into the computer's serial port, and software to 'connect' the hardware to other supported programs like KCS and Bars&Pipes. The hardware provides sync input and output jacks, as well as an auxiliary MIDI output which helps alleviate MIDI data logjams. The sync jacks can read and write all standard SMPTÉ formats including 24, 25, 30, and 30 non-drop frame. \$350.00  
Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454

## ❖ SYSTEM EXPANSION ❖ & EXPANSION CHASSIS

### ♦ 1-Drive-Bay

Metal case with power supply for one 3.5- or 5.25-inch drive. Flat or upright footprint. SCSI cable, 25-pin D-Sub to 50-pin Centronics. For Amiga, Mac, or ALF-PC-SCSI controllers. English/French/German manual. Workbench 2.0 compatible. \$120.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ♦ 2-Drive-Bay

Metal case with power supply for two 3.5- or 5.25-inch drives. Flat design, fits under monitor. SCSI cable, 25-pin D-Sub to 50-pin Centronics. For Amiga, Mac, or ALF-PC-SCSI controllers. English/French/German manual. Workbench 2.0 compatible. \$156.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ♦ 4-Drive-Bay

The 4-Drive-Bay is an up-to-four device tower, designed for use with any full or half height 3.5- or 5.25-inch SCSI device in any combination. One or two 50-W power supplies and dust free ventilation system. Internal 50-pin SCSI cable set and 25-pin D-Sub to the Amiga, Mac, or PC. English/French/German manual. Workbench 2.0 compatible. Prices: 50-W, \$325; 100-W, \$385.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ♦ A500-DESKTOP-CASE

A combination of a selected PC/AT full size desktop flip case with 3.5-inch Floppy Rail for A500 internal floppy disk and detachable Keyboard-Shell with interface and spiral cable. 200-W power supply. Can be shipped in any color. English/French/German manual. Workbench 2.0 compatible. \$230.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ♦ A500-TOWER-CASE

A combination of a selected PC/AT full size tower case with 3.5-inch Floppy Rail for A500 internal floppy disk and detachable Keyboard-Shell with interface and spiral cable. 220-W power supply. Five drive bays. Black or beige. English/French/German manual. Workbench 2.0 compatible. \$320.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ♦ Black Workstation

Now handmade out of sturdy metal. Designed to have an Amiga 500 with Ethernet card built into it. Comes with long-lasting power supply. Has room for one floppy drive and one 3.5-inch hard drive. Kit includes detachable KB-Shell with interface and spiral cable. Other colors available. English/French/German manual. Workbench 2.0 compatible. \$380.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### EXP-1000

1MB, internal RAM board for the A500, w/1MB. \$199.00  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

### Impact XC External Case

GVP external hard drive case allows room for two 5.25-inch, half-height hard drives. Includes internal power supply, mounting hardware and SCSI extension cable. \$249.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

### ♦ Keyboard-Shell

Keyboard-Shell with interface and spiral cable is designed to keep the Amiga 500 keyboard detachable. No soldering or special skills required. Looks exactly like A2000 keyboard cover, but has

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two LED openings. For A500 only!! Amiga color or any other on request. English/French/German manual. Workbench 2.0 compatible. \$120.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## Kickstart Swap Board

Small add-in board allowing switching between two Kickstart ROMs. Switch can be mounted anywhere on case. System requirements: A500, A2000. AUS \$30.  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

## ◆ Kickstart Swap Board

Small board on a ribbon cable containing sockets for three Kickstart ROMs. It plugs into the ROM socket of your A500/A2000. The cable enables you to locate the board away from other devices. A switch is provided to select the ROMs. NTSC/PAL. \$40.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

## Kickstart in ROM

Modification which includes four EPROMS—we can use any Kickstart you provide, allows booting directly from ROM. Also adds 256K to available memory. AUS \$70 in kit form.  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

## ◆ M-Slot™

M-Slot is an upgrade allowing A500 owners to do the same things A2000 owners do and more. The board has exactly the same mounting holes and size as PC Baby AT boards; fits neatly into any PC/AT Desktop or Tower case. Has five true Zorro II slots, one video slot, one CPU slot, PC/AT slots, Denise, Paula, and Gary extenders. Optional 200-W power supply, designed to power the A500 simultaneously. Optional EPROM for running PC/AT keyboards. Comes with photos, showing how we build this board in a PC/AT Desktop case. Because this OEM project is not designed for beginners, we offer a service in U.S. and Canada to build complete systems using your A500. For A500/500 Plus, A1000. English/French/German manual. Workbench 2.0 compatible. \$395.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ MFC™ MultiFaceCard 1000

The MFC for the A1000 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—19200, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. MFC 1000 is special bundle of MFC 2000 with Naked-F built into a metal cover which plugs into A1000 expansion port. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$345.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ MFC™ MultiFaceCard 2000/3000

The MFC for the A2000/3000 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—19200, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$295.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ MFC™ MultiFaceCard 500

The MFC for the A500 series features two additional high speed serial and two parallel ports. Half-length card includes two pairs of cable sets and driver software. Easy software installation. All ports external and Amiga compatible. Simultaneous input/output using all standard Baud rates (75—19200, MIDI 31250) via 9-pin RS-232 serial ports. Several cards can work along side each other. Frees the Amiga built-in parallel port for better uses than just printing. MFC 500 is a special bundle of MFC 2000 with Naked-F built into a metal cover which plugs into the A500 expansion port. NTSC/PAL. English/French/German manual. Workbench 2.0 compatible. \$345.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## Meta4/500 Memory Expansion Chassis

Meta4/500 is available as a RAM-only expansion chassis for A500 users. This configuration places a Meta4 board in a Trumpcard 500 chassis allowing the user to add memory to the system without a hard disk drive and Trumpcard controller installed. A second slot is included for later installation of a Trumpcard disk controller and a hard disk drive if desired. Configurations are 512K, 1MB, 2MB, and 4MB. \$189.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## ◆ Naked-F

Naked-F (F for flat connection) is a very special small circuit board which allows you to run nearly all of the fast SCSI and RAM boards built for the A2000 with the A500 and A1000. Ends the timing problem the A2000 boards have been running with the A500/1000. SCSI can now be used at full speed. Has one true A2000 Rev. 6.2 Zorro II slot. NOTE: This is a bare bones board. For A500/500 Plus, A1000. English/French/German manual. Workbench 2.0 compatible. \$39.50  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ Naked-Up

Naked-Up is the pass-through version with one A2000 Rev. 6.2 Zorro II slot, standing right up. This board allows you to run nearly all of the fast SCSI and RAM boards built for the A2000 with the A500 and A1000. Ends the timing problem the A2000 SCSI boards have been running with the A500/1000. SCSI can now be used at full speed. Has been designed to build the A500 motherboard into a full size PC/AT Desktop or Tower case. We ran two Naked-Ups for four months using Supra's 8MB RAM board, ALF-AF-SCSI and Quantum 210MB with an A1000. NOTE: This is a bare bones board. For A500/500 Plus, A1000. English/French/German manual. Workbench 2.0 compatible. \$49.50  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ PCA-Power Cable-Amiga 500

Ends the low power problem for the Amiga 500. Allows you to use any PC/AT 150-W, 250-W, or higher power supply. One side has an interface for connection to P8 and P9 connectors of PC/AT power supply; other side connects to the A500. Cannot be falsely connected. No soldering required. Please ask for trade-in offers for your old defective A500 power supply. English/French/German instructions available. Workbench 2.0 compatible. \$29.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ PS-220 Power Supply

The long-lasting 220-W replacement for the Amiga 500 owner. Comes with A500 connector and five drive connectors. Please ask for trade-in of your defective A500 power supply. English/French/German manual. Workbench 2.0 compatible. \$95.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ PS-45 Power Supply

The PS-45 Power Supply is the long-lasting 45-W power source for up to two hard drives. English/French/German manual. Workbench 2.0 compatible. \$45.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## ◆ PS-50 Power Supply

The long-lasting 50-W replacement for the Amiga 500 owner. Comes with A500 connector and one drive connector. Please ask for trade-in of your defective A500 power supply. We tested this type for 4 months with 4MB RAM and one Quantum 170MB SCSI drive. English/French/German manual. Workbench 2.0 compatible. \$60.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## Phoenix Board

Replacement motherboard for the A1000, with 2MB chip RAM onboard, 2MB Agnus, A2000 Expansion Slot, A2000 Video Slot, AutoBooting SCSI port and software, Kickstart Swap Switch, Kickstart V1.3 fitted with sockets for up to four Kickstarts on the motherboard (including V2.0), full ECS support, floppy drive swap switch, 68881/2 socket. Optional 8MB internal RAM board, 52MB Quantum hard drive mounted inside the original case. PAL or NTSC versions available. \$845. AUS \$945.00 complete. No soldering required to fit. Phone, fax, or write for more information. \$845.00  
*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

## Rejuvenator

A replacement daughter board for the A1000 which upgrades it to take advantage of either the 1MB or 2MB ECS Agnus as well as the ECS Denise, 2.0 ROM, and an A2000 compatible video port. Also adds battery backed-up clock. Requires 1MB or 2MB of memory, depending upon version of Agnus. NTSC/PAL compatible. 1MB, \$419.95; 2MB, \$439.95.  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690*

## SubSystem/SCSI

An external chassis and power supply for all Advanced Storage Systems' high performance SCSI peripherals. The external chassis accommodates one full-height or two half-height SCSI devices. The SubSystem/SCSI provides the flexibility to easily share SCSI peripherals with other computers. The SubSystem/SCSI includes a durable chassis, 60 watt power supply, internal wiring for 2 SCSI devices, and a cable to connect it to the 25-pin external connector on the Nexus HardCard/SCSI/Memory card. \$195.00  
*Preferred Technologies International, Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191*

## The Bomac Tower

A rugged, all metal floor mounted tower enclosure designed to house A2000 computers. No permanent electrical or mechanical modifications to the original unit are required for installation. External front access to three 5.25-inch and five 3.5-inch drives. Features include front mounted AC line and auxiliary power supply switches, power-on lamp, 3 user configurable indicator LEDs, full side/top access, and rear mounted mouse/keyboard sockets. Accepts second power supply. \$319.95  
*BOMAC, 612 Webster St., Bay City, MI 48708, (517) 893-3848*

## ToolBox 500

This three-slot expansion card cage for the A500 allows you to use most A2000 cards on your Amiga. It is designed to accept and power an 8MB memory board, SCSI hard card and the Bridgecard. All cards can then be used in an A2000. The ToolBox features room and brackets for a 5.25-inch drive, mounting for an optional fan, 40-watt cool running switching power supply, bus pass through, front panel hard drive activity and power light, and on/off switch. \$279.95  
*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

# Miscellaneous Hardware

## Xpander-Built-Chassis

Made to order expansion chassis. Houses expansion bus connector to expand an A500 or A1000 to memory or hard drive expansion as CBM's A2091 hard drive with memory or Grandslam controller. Takes A2000 format cards with a low cost solution in adding to your A1000 or A500. Expressly built to users' references. \$149-\$189.

CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## ♦ ♦ ♦ TRANSPUTING ♦ ♦ ♦

### Megalink 01 Transputer Board

Very flexible RAM configuration (from 256K to 32MB). You can upgrade the RAM step by step according to your own personal needs. Gives you up to four transputers, each with up to 4MB RAM and up to 60 MIPS/9MFLOPS. 1 to 4 MB with/without Link-Interface. 3699 to 6999 Duetschemarks.

Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Megalink 02 Video Transputer Board

Comes with one T800 (20, 25, or 30 MHz and 1 to 8 MB) and up to 2 MB Video RAM gives you all the colors needed for computer graphics. 800 x 600 pixels 50 Hz non-interlaced with 16.7 million colors IFF adapter and driver for popular ray-tracing packages available now! 1 MB RAM and 1 MB Video RAM. 6499 Duetschemarks.

Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Megalink 03 Transputer Board

Very flexible RAM configuration (from 256K to 32MB). You can upgrade the RAM step by step according to your own personal needs. Includes one T800 Transputer board. 1 to 4 MB with/without Link-Interface. 3699 to 6999 Duetschemarks.

Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

## ♦ ♦ ♦ MISCELLANEOUS ♦ ♦ ♦

### ♦ ALADINN Lighting Control System

Simple to use light control system featuring graphic interface. Unique package transforms an Amiga into a sophisticated lighting control desk suitable for use in theater, television, videostudios, entertainment, interior/environmental, and architectural lighting. Features include 48 channels, interactive training module, online help, multiple cross fade, proportional soft patch, blind preset programming, inhibit function, submaster control, programmable effects, and chasers with 512 standard output. \$1200.00

Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### ARM 1000

The Amiga ROM module is a pass-through device for the A1000. Up to two user-supplied KickStart ROMs (e.g., v1.3 and v2.04) can be installed, allowing the machine to be booted under either operating system. Additional circuitry prevents switching during normal operations, thereby eliminating the potential for disk write errors. Allows for a small hardware modification which makes an extra 256K of RAM available for use. One-year warranty. \$99.00 Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

### Action Replay

A utility cartridge for the Amiga 500. Action Replay plugs into your expansion port and allows you to simply freeze just about any program. The program in memory can then simply be saved to disk. Use the special infinite life/fuel/ammo generator for most any game. A powerful machine code freezer monitor with many other features. \$99.00 Coast to Coast Technologies, 580 Cape Cod Lane, Ste. 3b, Altamonte Springs, FL 32714, (407) 788-8377

### ♦ New Product Listing

♦ AmigaDOS release 2 Compatible (Vendor Verified)

### ♦ Analogue Joystick Adaptor

Enables IBM and Apple (analog) joysticks to be used on the Amiga. Adapter connects to joystick port and has 9 and 15 pin connectors for both types of joystick leads. \$25.00

Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### ♦ BIGFOOT Power Supply

Updated version is now 200-watt power supply for the A500. Provides five additional hard/floppy connections. Adapters available for Supra, 6VP hard drives, etc. Accepts AC input voltages from 90-132 or 180-269 volts at frequencies from 47 to 63 Hz. 1-year warranty. \$129.00

Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

### Blinky™ SCSI device monitor

Monitors SCSI communications bus and tells you when your Amiga talks to hard drive, tape back-up system, Bernoulli box, or any SCSI device hooked to computer. Also tells you when conversations take place between various devices on the SCSI bus. LED indicators not only let you know which of your SCSI devices are communicating, but also when they are active. \$74.95

CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121, (619) 566-3911

### Epprommer

Eprom programmer for 2716 through 27512, 27513, 27011 for standard, A, and CMOS parts. You can read proms as well as save to disk. \$149.95

Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

### HD-150

Replacement power supply for the A500 features 150-watt power supply, short-circuit protection, internally mounted fuse, on/off switch, and a full one-year warranty. \$129.95

Computers, Etc., 4521-A Bee Ridge Road, Sarasota, FL 33583, (800) 634-5546 Orders

### HD-150 DL

Replacement power supply for the A500 features 150-watt power supply, short-circuit protection, internally mounted fuse, on/off switch, three switched a/c accessory outlets with their own fuses, internal cooling fan, and a 5-pin external connector. The HD-150 DL also comes with a full one-year warranty. \$179.95

Computers, Etc., 4521-A Bee Ridge Road, Sarasota, FL 33583, (800) 634-5546 Orders

### HSC Series 105mm B/W Hand Scanner

HSC-M-B for the Amiga supports 105mm line image sensor with 105mm scanning width. Supports line density selector switch for 100-400 DPI operation. Supports B/W tone, 6 x 6 dila halftone, 32 graduations.

CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962

### ISOBAR® Surge Suppressor, IB6-GS

The IB6-GS Surge Suppressor is UL listed for UL1449 (330 Volt-let-through) and UL 1283 (electromagnetic filter). Six outlets divided into three isolated filter banks prevent connected equipment from interacting with each other, while 'Cascade Circuitry' allows you to choose the level of protection needed. Features a rugged metal case, six-foot line cord, circuit breaker, and illuminated on/off switch. Lifetime warranty covers unit and equipment connected to it. \$99.95

Tripp Lite, 500 N. Orleans, Chicago, IL 60610-4188, (312) 329-1777

### KODAK XL 7700 Driver

The Kodak XL 7700 delivers 24-bit plane color at 200 dots-per-inch over an 11 x 11 inch area. This driver software automatically performs all scaling and color separation functions required by the printer. To make full use of this printer you may need as much as 12MB of available disk space. Requires ASDG GPIB interface board. With Interface Board, \$1500. If you already have one, you may order the software only for \$1000.

ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### Keyboard Adapter

Plug adapter which allows the use of an A2000 keyboard on the A1000. \$24.95

Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### ♦ MEMOPLUG for the Amiga

MEMOPLUG for the Amiga is designed to protect software from being copied. The plug connects to the Amiga's parallel port leading to the printer. The plug is totally transparent, both to the end user and to the printer. The software that is included will totally avoid any operation of the program when the plug is disconnected. Includes serial numbering, demo mode and a secret code. Runs on any Amiga with Kickstart 1.3 or later. \$220.00 for every ten units.

HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319, (011) 972-331-5967

### MW-738 A500 Power Supply

Advanced dual switching design isolates the 110V AC from the computer with a heavy-duty transformer providing high-output performance, less heat build-up, and reduced risk of burnout. Output: 5V DC @ 5 amps, +12V DC @ 2 amps, -12V DC @ .25 amps. Includes three AC outlets. \$129.95

Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

### MultiStart II

Allows A500 and A2000 owners to install multiple Kickstart ROMs in their computer. Lets you install Kickstart v2.0 and v1.3 and switch between them with the keyboard. This is the easiest way to upgrade to 2.0 and still stay compatible with your software that only works under 1.3. Can also install a third ROM. No external wires or switches required. \$59.95

DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750

Please see display ad page A.

### ♦ MultiStart II 6A

Allows A500 and A2000 owners to install multiple Kickstart ROMs in their computer. Lets you switch between ROMs with the keyboard. This version is compatible with all Amiga 500 and 2000 versions, including the A500 Plus. The MultiStart II 6A is compatible with most internal accelerators for the A500 and A2000. No external wires or switches required. Price stated is without ROMs. \$59.95

DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750

Please see display ad page A.

### ♦ NES, Inc. AM-205M Two Port Serial Card

for MIDI Applications for Amiga 2000/3000 Provides dual access for MIDI applications. Available July 1992. \$274.95

N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311

### ♦ NES, Inc. AM-205R Two Port Serial Card

for RS-232 Applications for Amiga 2000/3000 Provides dual access for high speed serial RS-232 applications. \$274.95

N.E.S. Corp., 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311

### Polaroid CI 3000 Driver

The CI-3000 Driver allows Art Department Professional to completely control every aspect of the Polaroid CI-3000 digital film recorder. The CI-3000 uses 33 bit-per-pixel recording precision to provide repeatable and accurate full color output on 35mm film and on prints up to 4 x 5 inches in size. The CI-3000 can resolve up to 2000 x 1500 full color dots on a single image. Use the CI-3000 for proofing, story boarding, or for professional quality slides. Requires Art Department Professional and a Polaroid CI-3000 digital film recorder. This driver also supports the CI5000 film recorder for those who require 4000 x 3000 pixel resolutions. \$200.00

ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### Polaroid CI-3000 Digital Film Recorder

The Polaroid CI-3000 is a purely digital film recorder which uses 33 bit-per-pixel recording precision to achieve stunning accuracy and repeatability. The CI-3000 comes with camera backs for 35mm film, instant autofocus prints, and instant

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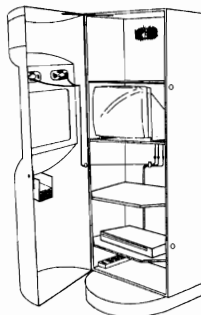
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Circle 102 on Reader Service card.

peel-apart prints and transparencies. It is completely integrated into ASDG's Art Department Professional using the CI-3000 Driver, including the ability to print to film automatically via AREXX. Requires Art Department Professional and the CI-3000 Driver. \$4495.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

#### Robotarm

Full-function five axis movement can manipulate small objects with amazing human-like dexterity. Comes with finger jaws, shovel scoop, magnetic attachment, and two joysticks. \$89.95  
Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

#### SA Upgrade Kit

SA host adapter owners who have version 34.808 ROMs should consider this upgrade if they are planning on moving to the new System 2.0 operating system. Version 34.8081 upgrade ROMs and instructions for installation are included. One-year warranty. \$19.95  
Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

#### SHARP JX-100 DRIVER

This WYSIWYG driver allows the JX-100 owner to scan from within ADPro providing high quality color image input up to 6.4 by 4 inches in size. Includes stand-alone version. \$129.00  
ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585

#### SHARP JX-300, 450 and 600 Driver

This is the software only version of Professional ScanLab II for those users who already own an ASDG GPIB interface card. This WYSIWYG driver allows users to scan from the JX-300, JX-450, or JX-600 color scanners from within ADPro. Includes stand-alone version. \$300.00  
ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585

#### Scannery

Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 greyscales. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the AEfax/modem. It features ease of use and installation. \$250.00  
Concise Logic, 36 Tamarack Ave., Ste. 315, Danbury, CT 06811, (203) 746-6739

#### Slingshot

Converter board to convert A500 expansion bus into a single A2000 slot. Allows use of A2000 peripherals like hard cards, memory boards, SCSI interfaces, multiport serial boards, etc. Lifetime warranty. \$39.95 Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

#### SwitchStart

Adapter board which plugs into the KickStart ROM socket and enables the user to switch between two versions of KickStart (for example 1.3 and 2.0). Works in A2000, A500, and A1000 with Rejuvenator installed. Also has a jumper to enable A500s with Rev 5 motherboards to use the new 2.0 KickStart ROM. NTSC/PAL compatible. \$59.95 Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690

#### Symposium

Voice mail plug-in card for Amiga 2000/2500 series. Simulates answering machine, call forwarding, voice-mail boxes, Touch Tone remote computer control, Touch Tone walk through menu/information manager from remote phone, remote Touch Tone I/O control/monitor, Amiga text reading speech to a remote phone. Requires A2000/2500 series with 1MB RAM and hard drive. \$199.00 Pacific Digital, 13552 Portsmouth Circle, Westminster, CA 92683, (714) 373-4112

#### TACH 25

Hardware/software system for archiving software. High speed duplication works with two to four drives. Copy up to 81 tracks. Duplicate non-

Amiga formats. \$89.95  
Rio Computers, 3310 Berwyck St., Las Vegas, NV 89121, (800) 782-9110

#### TKB Series Trackball

TKB-MT for the Amiga has top-quality construction with opto-mechanical encoder. Stylish two-color ergonomic design. CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962

#### TKB-A Series Crystal Trackball

TKB-MT-A for the Amiga is designed for easy, one-hand operation. High running stability to prevent data loss. Effortless operation with reliable micro-switch buttons. CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (217) 356-1962

#### The Bit Knitter

A computer-knitting machine interface which allows you to design in a paint program on the Amiga and download the design to an electronic knitting machine. Watch the progress of the design as you knit. The manual instructions are written for DeluxePaint although other programs may be used. The following knitting machines are supported: Studio/Singer, Brother/Knitting, and Passap Electronics. AmigaDOS 2.0 compatible. \$499.99 Cocheville Design Studio, P.O. Box 4276, Encinitas, CA 92023, (619) 942-1957

#### Tommy Gun

Small device attaches to your joystick or mouse cable and provides rapid fire capability. Great for games. \$19.95 Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243

#### UPS System (BC-series)

BC-500 UPS System provides 500 VA of emergency power in the event of a blackout. Surge and brownout-protected. Line/Battery power indicator lights and audible alarm. Provides 21 minutes of backup at half load and eight minutes at full load. Made in U.S.A., two-year warranty. RFI/EMI-protected. Also available in 205 to 4400 VA, as well as LAN-specific and true on-line UPS models. \$309.00 Tripp Lite, 500 N. Orleans, Chicago, IL 60610-4188, (312) 329-1777

## Accelerators— continued from page 127.

#### SupraTurbo 040

A 68040 accelerator for the Amiga 3000. It installs easily in the coprocessor connector on the A3000, and provides vast performance increases. The SupraTurbo 040 accelerates operations such as ray tracing, rendering, or spreadsheet recalculation by as much as 10 times that of a standard 25 MHz Amiga 3000. It contains separate 4K caches for instructions and data and each cache has 64 independent cache areas. One-year warranty. \$1295.00 Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

#### VXL 30

An advanced technology 68030 accelerator for the Amiga 500 with optional hardware floating point and 32-bit wide, burst-mode memory. A cost-effective, high-quality solution to convert 7MHz, 68000-based Amiga 500's into high-speed, 32-bit systems utilizing Motorola's advanced 68030 or 680EC30 microprocessor and its companion math chip, the 68882. The VXL system accepts an optional 32-bit RAM board designed to permit the processor to operate in its high-speed burst mode. Prices: with 25MHz 680EC30—\$399, with 40MHz 680EC30—\$629, with regular 68030 at 25—\$799, at 50MHz—\$949. VXL RAM-32 with 2MB of 60ns, Fast Page Mode DRAM installed: \$379. Non-burst, 2MB, 32-bit version of VXL RAM-32: \$299. 25MHz 68882 Math Co-processor and Oscillator kit: \$200. \$399.00 MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330

#### Zeus 2000

Power-packed A2000 system expansion offering 68040 accelerator, 32MB 32-bit RAM expansion, and high speed SCSI II hard drive controller for data transfer rates up to 10MB/sec. Compatible with AmigaDOS 1.3, 2.0, and SCSI-I type drives. For A2000, 2000HD, or 2500. Price TBA. Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204-5020, (303) 825-4144

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## ♦ ♦ ♦ CDTV ♦ ♦ ♦

### A Bun For Barney

A Bun For Barney is a delightful animated story for children aged 3 to 6 about a bear who learns to say 'no.' As they watch, children can make characters pop up, play learning games, and perform songs. This disc also encourages early reading. Children can read each sentence as it is spoken in the narration or select individual words to hear them pronounced. Animated by Melendez Films, producers of the well-loved PEANUTS specials on CBS Television, and narrated by Tom Baker, star of Dr. Who. \$49.95  
Multimedia Corporation, 109X Regents Park Road, London, England NW1 8UR, (011) 4471-722-7595

### ♦ A Long Hard Day on the Ranch

Desperate bandits, runaway cattle, and broken toes hold no terrors for our imaginative hero. This tall tale shows how a young boy imagines his days at his uncle's ranch while accompanying illustrations show the more mundane reality. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

### Advanced Military Systems

Advanced Military Systems includes over 1000 breathtaking action shots of the world's most exciting and powerful military systems. These images are combined with hours of music and narration to create an exciting and informative multimedia production. In addition to the narration, each system includes text, specifications, and the ability to view each image individually. Advanced Military Systems includes the Soviet MiG-29 Fulcrum jet, U.S. M1A1 Abrams tank, Iraqi al-Abbas missile, Israeli Kfirjet, U.S. Nimitz-class aircraft carriers, Soviet Typhoon-class submarines, U.S. F-117A Nighthawk 'stealth' fighter, and much more. Over 100 systems in all. \$39.95  
Dominion Software & Design, Inc., 3328 Oakshade Court, Fairfax, VA 22033, (703) 318-8270

### Airwave Adventure: Murder Makes Strange Deadfellows

Dark clouds gather like mourners at the ancestral home of Randolph Steere, patriarch of the Steere family. As the mighty fall, so falls Randolph, right down the staircase within his mansion. But, he really left the world five years ago when he lost his wife Irene. Strange stories have grown up around this ominous place since Randolph secluded himself here and no one can say what will happen now! Try to discover Randolph's last wishes and find out if ghosts really walk in Steer manor in this comedic thriller. Also available for CD-ROM and NTSC/PAL. \$49.95  
Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282

### Airwave Adventure: The Case of the Cautious Condor

Tiger Media's breakthrough interactive mystery is now available for CDTV! Explore hundreds of

images, hours of audio, and thousands of possibilities. Can you discover the solution? Join Ned Peters, detective, and a colorful cast of suspects on board the 1937 maiden voyage of the Condor. You have 30 minutes to solve the crime on this thrilling flight into history and murder. Available in PAL/NTSC. \$49.95  
Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282

### American Vista Multimedia Atlas

American Vista provides a world of excitement and discovery. Maps of each state illustrate political, topographical, industrial, and agricultural features. Almost 1100 professionally-photographed images display people and places from each state and our nation's capitol. Many examples of regionally-specific speech and our folk music heritage are also included. Further details include statistical information and history for each state along with state seals, flags, flowers, animals, and license plates. Historical maps and flags along with pictures and detailed captions of each president are also featured. \$79.95  
Applied Optical Media Corp., 1450 East Boot Rd., #400, West Chester, PA 19380, (215) 429-3701

### Animals In Motion

Using historic footage from Eadward Muybridge, Animals In Motion gives a fascinating insight into animal locomotion. From horses, dogs, cats, across the spectrum of the animal kingdom to exotic creatures like guanacos and sloths, Animals In Motion is an unsurpassed resource of animated photographic images. From artist to scholar, historian to naturalist, both young and old, Animals In Motion is a valuable encyclopedia of animal reference. Animals In Motion can be enjoyed like a book, watched like a documentary, or used like a database. Works on any IMB Amiga and A570.

On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

### Animated Coloring Book

For kids, and the child in all of us, the Animated Coloring Book makes it simple to create beautiful pictures and then bring them to life. Using up to 61 crayons (colors), you pick up the one you want and click to fill in the outlines. Have fun coloring a variety of animals like dogs, cats, and even elephants. Then with a click you can bring your colored picture to life through animation and see dogs walk, cats play, and more! You can also let the computer color for you, to provide examples for teaching youngsters. \$39.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### ♦ Asterix & Son-Learn French with Asterix

Developed by Eurotalk, this program provides over 30 hours of French study. Includes 60 minutes of spoken French from 30 characters, 400 full color cartoon drawings, a complete English translation, and over 1500 vocabulary items. Program is broken up into Introduction, Interview, Interactive story, Tutorial, and Read/Listen/Record sections. Everyone from beginners to advanced linguists can use at their own pace. From Microdeal. \$59.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

### B.A.T. (Bureau of Astral Troubleshooters)

B.A.T. is an adventure game that lets you become the one agent of the Bureau of Astral Troubleshooters who can save Terrapolis. It's so life-like you'll never want to come back! Vrangor, a top scientist, and Merigo, a small-time crook, have announced their intention to set off nutrobiogenic bombs in Terrapolis, the largest city of Selenia. This ultimatum leaves the government only 10 days to evacuate the city and

draw up a deed of ownership in Vrangor's name. After time runs out, Selenia will be blown out of the galaxy. The countdown has begun, and it's up to you to foil Vrangor's evil plans. \$49.95  
UBI Soft, Distributed by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749

### Barney Bear Goes to School

Barney Bear Goes to School is a learning game for pre-school children that combines colorful, animated graphics and rich, 'multi-track' audio. It consists of two segments: Storytime, which shows children how to get ready for a day at school, and Schoolroom, which lets children select and play many learning activities. Storytime shows Barney Bear getting ready for school and teaches children to clean their room, to eat a good breakfast, and to look both ways before crossing streets. The game asks children to identify objects on the screen and then rewards them for correct choices with audio response. Once Barney is in his schoolroom, children may choose from activities such as spelling games, counting games, colors, shapes, and a coloring book. \$39.95  
Free Spirit Software, Inc., 720 Sycamore St., Columbus, IN 47201, (812) 376-9964

### Basketball

Basketball brings all the on-court excitement and backroom strategy of real-life basketball into your own home. The SBA League allows you and a friend to own, manage, and coach your own basketball teams. Recruit from the Minor Leagues, improve your current roster at training camp, or trade for other players with varying ages, injuries, and abilities. Team stats chart the past 9-years of every team in the league. All-time individual and team records kept for the history of your franchise. Complete nine year player stats document your team's performance. Control the on-court action with precision passing and shooting, aggressive defense, and slam dunks! One or two players can challenge each other, or watch the computer play itself. \$49.95  
Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040, (215) 675-5000

### Battle Chess

An entire medieval world at war is reflected on the checkered field. Colorful and dramatic 3-D animation. Over 4MB of animation and 10 different difficulty levels, 400K of digitized sound effects. Modem capability for remote play. Opening library of 30,000 moves. Play against a friend, against the computer, or let the computer play itself. Requires CDTV only. \$59.95  
Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001

### Battlestorm

Message received on all emergency channels: 'There is a state of emergency on all frontier worlds. The Kalomarian enemies are taking over this galaxy. Their state-of-the-art command vessels, the Battlestorm starships, are capable of destruction on a stellar scale. There is little time to counterattack these invaders. The Empire is already defenseless, nevertheless we hold hope, as the ancient prophecy has foretold: From the ashes of conquest shall rise a warrior and the storm will be blown away.' The future of the Empire of Worlds is in your hands. You will need all the help you can get if you are going to destroy the Battlestorm starships and launch your final attack on their headquarters. \$44.95  
Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

### ♦ CD-REMIX Version 2

From Microdeal. Leaves the original in the starting blocks. You can jump around the track, overlay any of the more than 600 sound effects, speech, or drum beats that come with CD-REMIX, insert pauses, robot speech, and even control a second

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CDTV player from the first. \$49.95, £29.99. \$49.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## CDTV-CD100

Commodore Dynamic Total Vision combines audio, video, graphics, and text. Its small black appearance is designed to enhance any home entertainment environment. While it is able to play standard audio compact discs at 8X oversampling rate, CDTV is also equipped to run Amiga programs from CD's. Each CD has a computer data capacity of 550MB (or the equivalent of over 700 Amiga floppy disks). Although upgradeable, CDTV is designed as a tool for information and entertainment, not as a computer. The player is controlled by a specially designed Amiga motherboard with five additional custom chips. It contains 1MB of RAM, 512K ROM, slots for an optional video card and a DMA card, as well as an external port for RS-232 devices, an external drive, two audio ports, MIDI In/Out, stereo headphone jack, and a personal RAM card. An optional keyboard can be used as an IR device or hardwired into the unit. Additional optional peripherals include an external floppy drive, trackball, joystick, MIDI In/Out (through a third party), Genlock, an expansion module, a keyboard IR interface, modem, and printer. See CDTV section. \$999.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## ◆ CDTV MiG-29 Fulcrum

Fly the Soviet Union's MiG-29 Fulcrum, probably the best fighter aircraft in the world. A simulation which combines real sounds and images to produce the thrills of combat and give an unprecedentedly high level of unique and accurate technical detail. Prove your skills in an array of gruelling missions in real-life scenarios. A totally realistic interactive flight simulator. Available in March 1992.

*DoMark, Dist. by Accolade, 550 S. Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## CD-REMIX

CD-REMIX lets you sit in your armchair and take your favorite music CD and resequence pieces of it to make your own personal remixes. You can even intersperse over 100 included samples with your music CD-REMIX. Made by Microdeal. Requires CDTV. NTSC and PAL. \$50.00  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Chaos in Andromeda

Chaos in Andromeda is a fantasy role-playing game set on Koranis 12. Your mission is to find and bring back the political figure and scientist Mr. Noko Yai. He has been kidnapped; if you can't bring him back you must destroy him. Available for NTSC and PAL. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## Classic Board Games

Classic Board Games enables you to play Chess, Checkers, and Backgammon on your television. Pit your skill against the game and select the level of difficulty or challenge a human opponent. Games are simply and easily controlled with the CDTV remote controller. Audio directions and updates are provided in six languages: English, German, Japanese, French, Spanish, and Italian. No knowledge of the games is required. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Composer Quest

Music History comes alive by taking you on a tour through time to investigate the greatest composers in classical and early jazz music, from the year 1600 into the 20th century. Composer Quest has two distinct modes of operation: one presents the material in the form of a lesson, the other in the context of an adventure game. The program also cross-references important events in world history, art, and sociological changes through the years. English, French, and German. \$99.00

*Dr. T's Music Software, Inc., 124 Crescent Rd., Ste 3, Needham, MA 02194, (617) 455-1454*

## Defender of the Crown

Based on the classic films The Adventures of Robin Hood and Ivanhoe, Defender of the Crown is an interactive tale of brave knights whose days are filled with daring jousts, breathtaking sword fights, beautiful damsels in distress and enemy castle sieges. The adventure begins with the nation in turmoil following the death of England's ruler, King Richard. To save their beloved country, the bold Saxon knights clash against the evil forces of the plundering Normans. Only the strongest, most skillful and courageous knight can overcome the obstacles and win the crown to become King of England. The disc features a fully-orchestrated stereo soundtrack, motion-picture quality sound effects and speech elements that add a totally new dimension to this interactive game. \$39.95

*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Dennis Wheatley's Herewith the Clues

A most enjoyable and intriguing detective-style mystery. Set in the 1930's, you play the role of a detective, searching through a complex array of clues and suspects to reveal the murderer of a police informant. A totally new design of interactivity, where the clues are made up of real tape recordings of secret conversations, photos, and hidden camera film of private meetings, animated exhibits, dossiers, and police reports. With 20 possible suspects and hundreds of clues, no two games are ever the same. Using interactive interface you piece together the evidence to build your case—but it better be strong to get a conviction!

*DoMark, Dist. by Accolade, 550 S. Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## Dinosaurs for Hire

What happens when three out-of-time gun-toting dinosaurs hit the streets? Bullets fly, evil-doers tremble, and insurance rates go through the roof. Dinosaurs for Hire is another in a series of comic books on disc. Hundreds of pages, thousands of screens, and more fun than you can shake a Tyrannosaurus at. NTSC/PAL. \$19.95  
*Wright Works III, Inc., 4 Hudson Road, Temple, NH 03084, (603) 878-1491*

## Dominion

Dominion is a traditional strategy game brought to television. Each player buys and sells national resources and maneuvers his or her armies, fleets, and air forces to protect and expand territory. Dominion is set late in the 21st century with each player controlling one of the seven great empires of the world. The action is enhanced with music, sound effects, high-quality action images, and animation. CDTV keeps track of the tedious chores of a traditional board game—scoring, dice rolling, random events, rule umpiring—and enhances it with exciting multimedia action and a fluid pace. Dominion can be played by one to seven players. Available Summer 1991. \$49.95  
*Dominion Software & Design, Inc., 3328 Oakshade Court, Fairfax, VA 22033, (703) 318-8270*

## Dr. Wellman

Dr. Wellman is a comprehensive home health system covering all the areas of health care relevant to an average family. The material is presented in a simple, friendly manner incorporating text (with narration), graphics, animation, music, and sound effects. A unique keyword system provides a dictionary of over 600 explanations for names, terms, symptoms, and conditions. A wide variety of medical topics including First Aid, dental care, travelling abroad, and most importantly, a wealth of information to keep you and your family healthy. Contains password-protected sections dealing with Adult health. \$79.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Electric Crayon Deluxe: All Dogs Go To Heaven

All Dogs Go To Heaven is an exciting title that transforms your television into an electric coloring book. With 30 delightful and enchanting coloring book pictures and spoken words and songs, the disc tells the story of Charlie B. Barkin, a roguish German Shepherd with a con man's charm and a marshmallow heart. Based on the animated film by Don Bluth, this disc is a must for

all children and the young at heart. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## ◆ Emergency Languages

Going abroad at short notice and can't speak the language? Emergency Languages is for you. Useful phrases covering all those everyday needs from taxis to airports to a drink in the bar are read out to you. Don't be at a loss for words; get a crash course in French, German, Spanish, Italian, Japanese, and Danish. Works on any 1MB Amiga and A570. Available 2nd quarter 1992. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## ◆ Fantastic Voyage

Based on the 20th Century Fox film, Fantastic Voyage challenges players to make their way through the human bloodstream in order to destroy a blood clot in the brain, fighting antagonistic white blood cells, antibodies, and other hazards along the way. The game features unique organic graphics and sound effects. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

## Fun School 3

Fun School 3 for the Under 5s consists of six educational activities that help to develop many skills including number, shape, and word recognition. Your child can learn at his/her own pace. Beautifully-created pictures, stunning animation and exciting sounds make learning fun and effective. Three packages, each with a suite of six multilevel programs. Each program is aimed at different age groups: under five, five to seven years, and over seven. There are several levels of difficulty in each activity. A parent-teacher's guide is included. \$49.95

*Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333*

## Fun School 5 to 7s

The five to seven pack follows the under 5s successful formula of six educational games, each with several levels of difficulty, covering all the children's favorite subjects. These help develop many skills including number and word skills at a child's own pace. The games are Toyshop, Electricity, Collect, Funtext, Time, and Journey. Beautifully created pictures, stunning animation and exciting sounds will keep children coming back for more again and again. \$49.99  
*Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333*

## Future Wars

Travel back and forth through time to save the earth from future destruction by alien invaders. Over three years in development, the animated cinema-style graphics, user-friendly interface and digitized sound track combine to form a complete gaming experience. Requires CDTV only. \$59.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## Gardenfax: Fruit, Vegetables & Herbs

Fruits, Vegetables & Herbs is a quick and accurate way to answer your questions about choosing and cultivating many edible plants. In this program, use the graphic symbols to search the criteria, look at the plants, and make your selection. There are over 170 plants with such criteria as planting time, harvesting time, and soil and light types. Included are fruit and vegetable types such as root, leaf, and exotics. \$49.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Gardenfax: Garden Plants

Garden Plants is an easy, fun, and informative way to select and care for beautiful plants in your garden. The program allows you to search by criteria or by name, or just browse through all the plants on the disc. There are over 400 bedding and bordering plants presented in full color. The criteria for helping you find the plant to suit your needs for Garden Plants are flower color, plant type (such as bedding, border, bulb, tuber, rockery), light aspect, height, planting time, flow-



ering time, and soil type. \$49.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

## Gardenfax: Indoor Plants

Indoor Plants takes the guesswork out of choosing and caring for houseplants. Over 200 plants are presented in full color pictures and text. The pictures and information may be found by common and botanical name or by selecting a combination of criteria such as room temperature, light conditions, flower color, and size. Using the remote controller, make choices from the symbols on the screen, and find plants to suit your home. For instance if Grape Ivy (*Rhoicissus Rhombifolia*) was selected, you would get hints on watering, positioning, feeding, and audiovisuals on taking stem cuttings and repotting. \$49.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

## Gardenfax: Trees, Shrubs, Roses & Conifers

Trees, Shrubs, Roses & Conifers is an interactive information program designed to answer the questions of all gardeners about their horticultural plants. Over 300 plants can be selected by criteria or name, or you can just browse through the collection. Gardenfax is easy to use and provides comprehensive and practical advice such as when to feed and water. Plants can be selected from a variety of criteria such as flower color, leaf color, plant type, light aspect, height, and spread, as well as planting time, flowering time, soil type, and speed of growth. \$49.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

## ◆ Guinness CDTV Disc of Records

Brings the best-selling book of fascinating feats and achievements to life with audio-visual tours, animation, sound, and pictures. Choose from any of 6,000 world records by topic or superlative (e.g., longest, tallest, fastest, etc.) to explore a wealth of intriguing facts and figures through hundreds of photographic images and graphics, audio files, and special effects. \$49.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

## Horse Racing

Horse Racing brings all the on-track excitement and strategy of real-life racing into your own home. Bet on the favorites to Win, Place, or Show. Up to four players may compete. Create as many tournaments as you wish. Have 128 horses at each track. Detailed past performances of the last 10 race results for every horse at the track. Complete jockey profiles. Variable track conditions. Ability to purchase 'tips' from some classy competitors and some shady characters as well. \$49.95  
 Context Systems, Inc., The Technology Center, 333  
 Byberry Road, Hatboro, PA 19040, (215) 675-5000

## Hound of the Baskervilles

A maze of intrigue and passion comes to light in the granite wilderness of Dartmoor as the curse of the Baskervilles strikes again. The Hound of the Baskervilles CDTV disc recreates Sherlock Holmes' greatest case from contemporary evidence, using original papers found in Dr. Watson's tin dispatch box. Watson, Holmes' famous friend and assistant, kept all the records and evidence meticulously and now you too can follow in his footsteps, clue by clue. Journals, newspaper cuttings, telegrams, letters, notes, police reports, photographs, and material evidence have been assembled together to document the mystery of The Hound of the Baskervilles. It is only by narrowly escaping death that Holmes and Watson solve the mystery of the spectral hound. With a plot from the genius of Sir Arthur Conan Doyle and a game designed by the renowned Simon Goodenough, the atmosphere is heavily laden with suspense and drama. Works with any 1MB Amiga and A570. \$50.00  
 On-Line Entertainment, 642A Lea Bridge Road,  
 Leyton, London, E10 6AP England, (011) 4481-  
 558-6114

## Illustrated Shakespeare

The complete works of the world's greatest playwright is now available on a single compact disc. From the comfort of your arm chair, you can read the complete works including plays, poems, and sonnets. All major scenes are illustrated with

reproductions of original woodcuts. Electronic reference technology allows instant searches to be made on the entire text using simple and easy functions. Features include easy-to-use graphic display, instant search for word or phrase, complete concordance, bookmark facility, woodcut illustrations, and illustrated 'Dramatis Personae' for each character. \$49.95. £29.99. \$49.00  
 Animated Pixels, Albemarle House, Osborne Rd.,  
 Southsea, Hants, PO5 3LB United Kingdom, (011)  
 4470-529-1866

## Illustrated Sherlock Holmes

Sherlock Holmes, the world's greatest detective, is now available on a single CD-ROM. The complete set of 60 exciting stories are beautifully illustrated in full color. All text is complemented by atmospheric music. Features include over 250 color illustrations relating to the text, appealing graphic display, bookmark facility, choice of 10 custom fonts and search facility. \$49. £34.99. \$49.00  
 Animated Pixels, Albemarle House, Osborne Rd.,  
 Southsea, Hants, PO5 3LB United Kingdom, (011)  
 4470-529-1866

## Indoor Sports

Four high-quality, challenging games will keep you entertained long after other games have been retired from competition. Get the ball rolling with Bowling. Darts won't leave you bored. Get a rush from Air Hockey. Finish off with a generous serving of Ping Pong. Not just a collection of short 'events', Indoor Sports gives you four stand-alone games in one package. The set features superb graphics, multiple levels of play, smooth animation, and one- and two-player options. Available June 1991. \$49.95  
 Context Systems, Inc., The Technology Center, 333  
 Byberry Road, Hatboro, PA 19040, (215) 675-5000

## ● Interplay CDTV

Interplay CDTV is an authoring system for use by CDTV developers. No programming skills are required as Interplay utilizes a DTP type freeflow page layout system. Features: Supports all display modes, SMUS music files, sound samples, animations, text, media spooling for unlimited length animations and samples. VAXL motion video playback with CDTV disc simulation plus much more. Totally optimized for compact disc operation. PAL/NTSC compatible. AmigaDOS 1.3 and 2.0 compatible. Minimum 1MB RAM, two floppy drives; 4MB RAM and 40MB hard disk recommended. \$5000.00  
 Optonica Ltd., 1 The Terrace, High Street,  
 Lutterworth, Leicestershire, England LE17 6BA,  
 (011) 4445-555-8282

## LTV English

LTV English helps people learn English as a second language. Conceived for use in a family setting, it helps to improve oral comprehension for many levels of competence. Over 30 situations and more than 150 exercises are included. LTV English provides a cultural approach to the United Kingdom and to the United States via a series of 'news reports' on London (daily life), Los Angeles (pop culture), and contemporary issues. It allows the user to familiarize himself with the English and American accents, and to rapidly improve his mastery of the language. \$49.95  
 Jeriko, 5 Bld. Poissoniere, 75002 Paris, France

## Lemmings

Lemmings establishes a brand new category of game for the Amiga. You've never seen anything like it! Hordes of tiny characters that you have to guide through many levels of obstacles and adventures building bridges, digging tunnels, climbing mountains, parachuting to safety. Get them on their way through each level as quickly as you can, or they start to inundate you and happily proceed to their own oblivion. Each level requires you to construct increasingly complex routes to save as many Lemmings as you can. Lemmings features tiny, incredibly-detailed and expressively-animated characters (up to 100 Lemmings on the screen at once), one-player or split screen two-player action, 100 mind-blowing increasingly difficult playing levels, and some of the most entertaining game playing music you'll ever hear. This one is a classic! \$49.99  
 Psygnosis Limited, 29 St. Mary's Court, Brookline,  
 MA 02146, (617) 731-3553

## Lunar Rescue

All your wits and skills will be challenged in this race to rescue the crew of Apollo 19, stranded on the moon during a mission. Digitized NASA footage provides realism. Cinematic cut-scenes create suspense. An animated Space Database teaches you important facts about space and our solar system using digitized graphics and sound effects. Features include: digitized miniature sets and plastic models and a professionally orchestrated CD AUDIO sound track. Over 20 MB! The disc contains English, French, German, Italian, Japanese, and Spanish. \$49.99  
 Odyssey Software, P.O. Box 367, N. Eastham, MA  
 02651, (508) 240-2317

## Many Roads To Murder

Many Roads To Murder can be a disappearance or robbery. Which one depends upon your first choice of plot lines. Your second choice determines the next plot twist. The stories evolve in unexpected directions from smuggling to espionage, from collegiate revenge to a mysterious African expedition. As the title suggests, there are many roads to choose from. Each one challenges you to solve an excitingly different mystery adventure. This disc contains hundreds of images and a dramatic audio track. \$39.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

## Mind Run

Mind Run consists of a set of exercises to test your intellectual aptitudes and to use for evaluation and personal development. This interactive product includes fun and challenging tests to sharpen your capabilities in memory, stress, listening, reflexes, logic, and understanding of machines. You can control the level of difficulty for each type of test. This graphical challenge will engage and entertain you for many hours. \$44.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

## ● Moving Gives Me A Stomach Ache

Moving is not easy for anyone, but for a little boy it is especially hard. This is a warm, sensitive story that explores children's feelings about moving and shows them that it's not so bad after all. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
 Discs Knowledge Research, 45 Sheppard Ave. East,  
 Ste. 410, Toronto, Ontario, Canada M2N 5W9,  
 (416) 250-6537

## ● Mud Puddle

Have you ever wondered how kids get so dirty? Meet a walking mud puddle and see how it continually ambushes one little girl until she gets the better of it. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
 Discs Knowledge Research, 45 Sheppard Ave. East,  
 Ste. 410, Toronto, Ontario, Canada M2N 5W9,  
 (416) 250-6537

## Murder Anyone?

Murder Anyone? challenges you to discover who killed Derrick Reardon. You must crack the alibis of the eight suspects: the victim's ex-actress wife, his spinster sister, his playboy brother, his extremely private secretary, his teen-aged ward, a mysterious German businessman, the family doctor and, of course, his butler. Each of the 16 stories has a unique, puzzling solution that will test your sleuthing skills. Clues are presented as a series of full color images with a dramatic audio track. \$39.95  
 CDTV Publishing, 1200 Wilson Drive, West  
 Chester, PA 19380, (215) 431-9100

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## Music Maker

Anybody will be able to play music in minutes using the unique features of Music Maker. Choose one of the 17 song tracks, select from over 40 instruments and play along. There is a level for everyone—one key play for beginners, melody play for the more musical, and free play mode for the talented or brave. The CD-quality audio tracks are accompanied by changing graphics. You can even play the drums with any of your favorite CD's. No musical experience is required. \$49.95 CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

## My Paint

My Paint is an easy-to-use, educator-approved and classroom-tested paint program designed especially for children. The interface is entirely based upon intuitive symbols. No reading skills are required. Features include colorful, animated symbols for all tools, a complete 'coloring book' of over 100 pictures, sounds which accompany each picture, multiple brush sizes, special 'surprise' pictures, special effects, color cycling, and more. Included with the program is a series of educational 'coloring book' drawings which teach the alphabet, phonetics, reading skills, and other concepts. \$39.95 Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ NASA...The 25th Year

First in the Heroic Age of Spaceflight series. This overview of the early decades of America's quest for the stars is one of the first CDTV titles to use the CDXL motion picture format: .25 screen, 10 frame per second motion picture from 5.25-inch CD. Subjects covered include early aeronautic research, the Soviet challenge and U.S. response, Project Apollo, Voyager and Viking, the Space Shuttle program, and future prospects. Viewer can select from the indexing system of 12 sections only those parts of the movie that he wants to see. Requires 1MB. Displays properly on both NTSC and PAL screens. \$24.95

Troika Multimedia, Inc., 3900 North Fairfax Drive, Ste 404, Arlington, VA 22203, (703) 841-5160

## Nam

The longest and most controversial conflict in US history. A war fought in the White House and in the steaming jungles of S.E. Asia. As president you can use your political and military skills to change the course of the war and rewrite history. Balance military commitment against public opinion. Nam is an extremely accurate strategic model of the Vietnam War, with great playability. It combines historical detail from pages of the real tabloids of the Time and Time/Life magazines, with actual music, reports, and film of the era, to produce a highly entertaining simulation. This is the Apocalypse Now for CDTV. Available in March 1992.

DoMark, Dist. by Accolade, 550 S. Winchester Blvd., San Jose, CA 95128, (408) 246-6607

## Ninja High School

Ninja High School is a tongue-in-cheek comic book on a CD. Jeremy Feeple, an otherwise normal American kid, gets involved with the strangest characters when a princess from outer space and the daughter of a secret Ninja society start competing for his affection. Hundreds of pages, hours of fun, and much better looking than those silly turtles. PAL/NTSC. Available July 1992. \$19.95 Wright Works III, Inc., 4 Hudson Road, Temple, NH 03084, (603) 878-1491

## North Polar Expedition

North Polar Expedition is an exciting multi-role-playing adventure disc for groups of five to ten. The adventure simulates a journey to the Pole with real pictures and sounds from actual Arctic expeditions. In a race against time before the ice-pack breaks up, the group members take on the roles of leader, navigator, pilot, and so on, and must make the right decision to succeed in their quest. They also learn about the Arctic environment and develop important geographical skills. Ideal for small groups. \$49.95 Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## ◆ Power Pinball for CDTV

Pinball at its best! Over a dozen games for the price of one disk. A truly realistic pinball simula-

tor. It reacts with the same snap, the same action. Each machine offers different challenges, digitized sounds, and exciting graphics. Contains both NTSC and PAL versions. \$39.95 KarmaSoft, P.O. Box 1034, Golden, CO 80402-1034, (303) 490-2939

## ◆ Prehistorik

Eat and beat your way through 150 scenes of awesome, nourishing fun and relive the Prehistorik epic in this incredible platform game. Armed with your Diner Club Anticus, proven to be the ancestor of the baseball bat, you start in pursuit of the Hilarious Maxidocus and take on armies of hairy spiders. Explore the virgin icefields of Antarctica, lush tropic jungles, and the dark and mysterious caverns of the shady continent. Don't worry about beatin' and meatin', it's for the good of the T-bone tribe. The hunt for lunch is on; come and get it! \$49.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## Pro Tennis Tour II

Pro Tennis Tour II offers more options than the average player encounters in the real world. This simulation game includes training programs where you can choose from a variety of opponents—male and female—various court surfaces, personal skill levels including strengths and weaknesses, and singles and doubles, or even 'dirty mode' triples. Practice well, win the tournaments, and you can qualify for the Masters on the Pro Tennis Tour. Your objective is to improve your ranking by participating in major championships, such as the Australian, French and U.S. Open, Wimbledon, and the Davis Cup. Each championship event is played on its unique surface: grass, clay, or cement. The on-screen scoring display, realistic sound effects, and two-player option give Pro Tennis Tour II the look and feel of an actual tennis game. \$49.95

UBI Soft, Dist. by Electronic Arts, 15 Atwood Avenue, Sausalito, CA 94965, (415) 332-8749

## Psycho Killer

Psycho Killer is an interactive TV experience. Shot on location in Southampton England, it uses photographic images and real actors. High quality audio and digitized images create total reality. The plot and game are interwoven. You are the hero; you must save the girl held by the psycho killer. Confront Psycho Killer, survive, rescue his potential victim, and escape. The story varies based on how you play. Starring A.D. Watts, Tracey Grech, and King Athel. Works on any 1MB Amiga and A570. \$50.00

On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

## ◆ Psycho Killer II

Uses new interactive techniques. Psycho Killer II is an interactive movie where you are the hero. You must track the Psycho Killer down through the eyes of a Psychic Investigator. But who is the prey? What forces are at work? There has never been anything quite like this before; the trailblazers of CD interactivity have broken through into new creative territory. Contains adult situations, nudity, language. Works on any 1MB Amiga and A570. Available 2nd quarter 1992. \$50.00

On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

## ② Scary Poems for Rotten Kids

Whether you are frightened by goblins or Gerbelgeks, fog phantoms, or even the dreaded pocket monster, you'll find lots of chuckles and chills in Scary Poems for Rotten Kids. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95

Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## Shadow of the Beast II

Shadow of the Beast II features a new cast of sinister, intelligent opponents, arcade-quality animated sprites, diabolically clever hidden traps

and puzzles to solve, multiple inventory control, real-time interaction with intelligent creatures, rich new sound effects and speech. Enhanced audio for CDTV version.

Psychosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

## Sherlock Holmes Consulting Detective

Capture the mystery and excitement of Holmes' London in this challenging and informative game. You, the player, will match your deductive abilities against the master sleuth himself, Sherlock Holmes. For the first time ever, experience real-time video and audio as Holmes and Watson interrogate potential suspects chosen by you! Search the London Times newspaper for clues, reference Holmes' files for information, or send the Baker Street Irregulars to gather more valuable information for you. You are presented with a mystery to solve, and it is then up to you to trace the threads of evidence through the byways and mansions of 19th century London. Sherlock Holmes is an interactive style detective game which utilizes the hardware and storage capabilities of CD. \$69.95

Icom Simulations, 648 S. Wheeling Rd., Wheeling, IL 60090, (708) 520-4440

## ◆ Sign of Four

The second in the Sherlock Holmes series, where the detective's great cases become multimedia adventures. A body lies cold in a locked room. Murdered, but how? The door is locked from the inside. The police are baffled. It's up to Sherlock Holmes to unravel the case. Years have passed, and the great sleuth's casebook has come into your hands. With all the clues, notes, and records of the crime, relive the baffling case of the Sign of Four. Follow in the footsteps of Holmes and Watson, try to crack the case yourself, or reconstruct the mystery. Works on any 1MB Amiga and A570. Available 2nd quarter 1992. \$50.00

On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

## SimCity

SimCity puts you in charge as both the mayor and the city planner of a dynamic real-time urban development simulation. Build houses, stores, factories, roads, football stadiums, airports, and parks. Collect taxes and run a city. Bulldoze entire neighborhoods, cause tornadoes and floods—everything is simulated and animated. With three different time periods, your city will evolve through time from the Wild West to Future U.S.A. Build the city of your dreams. \$49.95

Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700

## Snoopy: The Case of the Missing Blanket

Snoopy: The Case of the Missing Blanket is a colorful, fully interactive cartoon which is a challenge and delight for all Snoopy fans. Snoopy plays detective in this animated cartoon adventure, facing the task of finding where Linus lost his blanket. Snoopy must find the missing blanket and then return it to Linus who is most upset at misplacing it. \$49.95

The Edge Interactive Media, 225 South Lake Ave., Ste. M157, Pasadena, CA 91101, (818) 577-9375

## Space Wars

Space War is outer space combat action at its best. One or two players fight it out for a sector of space. Space War follows in the tradition of classics like Asteroids™ and features arcade-quality graphics and sounds to enhance the heart-stopping action that surrounds your space-faring warship. Play alone or combat another armchair starfighter in the most exciting and dangerous sectors of deep space. We digitized models moving around using a technique known as stop-motion animation to produce incredibly realistic animation. The disc contains English, French, German, Italian, Japanese, and Spanish. \$39.99

Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317

## Spirit of Excalibur

Spirit of Excalibur is an epic quest to restore the grandeur and glory of Arthur's Roundtable. To top off the excitement, the game is accompanied by a grand Wagnerian orchestral score. You explore over 100 beautifully-illustrated unique locations and listen to the conversations of the colorful cast of characters in this rich adventure game. \$59.95 Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## Super Games Pak

Three high-quality arcade games for a single low price. JAILBREAK, BYTEMAN, and DEATHBOTS. Super Games Pak CDTV is not a straight conversion of the 5-disk Amiga game. This is a new version with 15MB of graphics and sound effects. The instruction manual is now on the disc and has graphics and sound effects. Each of the games has its own cartoon-like introduction. As a bonus you get the complete Lunar Rescue intro sequence. This is a movie-like sequence which runs for about 14 minutes straight and takes up over 5MB of disc space. English, French, German, Italian, Japanese, and Spanish all available on the same disc. \$39.99  
Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317

## The American Heritage Illustrated Encyclopedia Dictionary

Houghton-Mifflin's highly regarded dictionary with 180,000 entries is enhanced in this CDTV version with 3,000 color illustrations and an automated word pronouncer and spellers. As with Xiphias' Time Table series, every word on the TV screen is 'hot' so all the material links easily to all references to that word, turning the material into an exploratorium of the English language. \$69.95  
Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (310) 841-2790

## The Family Circus Video Workshop

The Family Circus Video Workshop is designed to help you create your best videos ever. Based on the nationally syndicated Family Circus comic strip, the Video Workshop allows you to tap the full potential of your CDTV, camcorder and VCR to customize and enhance your own home videos—both new and old. Add the humor of this comic family with the Video Illustrator, featuring hundreds of full color Family Circus comics. Each and every panel can be recorded onto your home videos, directly from your CDTV. The comics have been specially chosen to introduce every family occasion—Mother's Day, Halloween, birthdays, and more. Design and compose your own home movie titlescreens, with your choice of typeface and background graphics, with the Custom Title Lab, for use with or without The Family Circus comic art. Use the Sound Studio to produce dozens of easy-to-use sound effects, all ready to dub. Improve your video skills in minutes with the 10 Commandments of Better Home Videos, an illustrated 'how to' segment. The Video Workshop is released in English, with German, Italian, Spanish, French, and Japanese versions to follow. \$79.95

Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040, (215) 675-5000

## The Fred Fish Collection CD ROM

The CD ROM contains the entire 600+ disk collection of freely distributable software compiled by Fred Fish. The collection is organized by disk, making it possible to locate any file using existing indices to the collection. The disc also contains a high speed utility for producing Fish disks from the CD ROM in two minutes or less. The disc is updated every four months at a cost of \$29.95. Subscriptions available. Compatible with all ISO9660 CD ROM drives, Commodore's L690 CD ROM, and the CDTV keyboard, mouse, and RGB monitor recommended. Workbench 2.0 compatible. Disc is preconfigured for PARNET using the CDTV/A570. \$74.95

HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406, (414) 632-3766

## The Fred Fish Collection OnLine CD ROM

The CD ROM contains the entire 600+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is preset for use as a PARNET node when used with CDTV or A570. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95

HyperMedia Concepts, Inc., 5200 Washington Ave., Ste 224, Racine, WI 53406, (414) 632-3766

## The Illustrated Holy Bible

The Illustrated Holy Bible contains the complete text of the Old and New Testaments together with full color illustrations. Using the CDTV remote controller, the user can select any book or chapter of the Bible within seconds using a novel graphical display. A unique slide show option allows events in the Bible to be located simply by looking for the illustrations. Features include easy-to-use graphical display, complete text of Old and New Testament, full-color illustrations, powerful search facilities, and bookmark facilities £29.99. \$49.00  
Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hants, PO5 3LB United Kingdom, (011) 4470-529-1866

## The New Basics Electronic Cookbook

The Silver Palate library of recipes—1800 strong—drawn from a set of three books, have sold in aggregate over 4.5 million copies. The recipes and the informed asides of the two well-known authors, Shirlee Rosso and Sheila Lukins, are accessible through a simple screen presentation. These are designed to allow you to choose recipes by the specific food ingredients they employ. You can select recipes for an appropriate meal-time or special occasion. Richly enhanced with full-color photos of over 450 ingredients, with voice-overs by the authors. \$59.95  
Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (310) 841-2790

## The New Grolier Electronic Encyclopedia

Take the definitive encyclopedia text—Grolier's Academic American Encyclopedia. Add the multimedia elements of historical pictures, detailed maps, colorful illustrations, life-like sound all stored on a single CD. Access it via the CDTV remote control and you will have the most versatile house reference tool yet. This disc makes the use of an encyclopedia a totally new, fun-filled experience for the entire family. \$395.00  
CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

## The Paper Bag Princess

Once upon a time a beautiful princess and a handsome prince lived in a castle. Suddenly the castle is destroyed by a fierce dragon, the prince is carried away, and the princess is left with only a paper bag to wear. This story has all the elements of a traditional fairy tale but with a contemporary twist—the princess is the heroine. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## The Tale of Benjamin Bunny

Benjamin Bunny and his cousin Peter Rabbit visit Mr. McGregor's garden to retrieve Peter's clothes—left there on a previous visit. Their expedition is going well—until they are trapped by a nasty cat. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## The Tale of Peter Rabbit

This is the classic tale of naughty Peter Rabbit, written and illustrated by Beatrix Potter. Follow Peter as mean Mr. McGregor chases him around the garden, into a gooseberry net, and even through a window. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## The Terminator

Set in present day Los Angeles, The Terminator is the story of an unstoppable cyborg sent back through time from a nightmare future where machines rule the earth to destroy the mother of the one man who might yet save mankind. \$59.95  
Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300

## Thomas' Snowsuit

Children and adults—especially those who have tried to get feisty kids into clothes they don't want to wear—will appreciate the story of Thomas' Snowsuit. Watch how everyone tries to get Thomas into his detested new snowsuit, and see how they all end up wearing it instead! As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## Time Table of Business, Politics and Media

Time Table of Business, Politics and Media is an exploration title devoted to the energies invested in the acquisition of wealth, power, and knowledge over man's history. It boasts 6,000 stories, thousands of quotes, images, reproduced documents, and a rich environment of multi-media effects. It contains animated maps showing where every event occurred, scanned images of the key documents in history, and an array of additional effects including audio. Material on the crisis in the Persian Gulf makes this an especially valuable disc to add to your collection. \$59.95  
Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (310) 841-2790

## Time Table of Science and Innovation

An exploration of the history of science and technology, boasting 6,250 stories, thousands of graphics, and a rich environment of multimedia effects. Includes an animated map showing where every event occurs, a visual liftoff from the surface of the earth showing the altitude of aviation and space events, and a host of other similarly exciting effects. Audio presentation is included for key events. All entries are cross-referenced by topic. You can follow your own paths of interest through this immense body of knowledge, using the timeline and 'hot word' interaction. \$59.95  
Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (310) 841-2790

## Time Table of the Arts and Entertainment

This latest addition to the Time Table Series contains over 4,000 original stories that start with the first cave paintings and finish with today's computerized choreography and animation. Multimedia effects include museum references, pictures, portraits, quotes, and even music from some of the world's greatest composers. Keyword and hot word searches allow you to quickly jump from subject to subject. \$59.95  
Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (310) 841-2790

## Town with No Name

Once upon a time, in the west, on the edge of an arid desert stood the Town with No Name. The Hole in the Head gang had been running pretty wild, shooting up the place and terrorizing the neighborhood. When the ring-leader's skid brother took on the silent stranger who rode in at sunrise, he bit off more than he could chew. The first of the notorious outlaws bit the dust. Now Evil Ebe and his gang, Massive Jake, Wildcard Mcvee, and Bad Bad Bart, had it in for the Town with No Name and all the peace-loving folk living there. Only the Lone Stranger stood between them. Works with any 1MB Amiga and A570.  
On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

## Trivial Pursuit

Trivial Pursuit comes to life with full color digitized pictures, superb animated graphics, stereo music and special sound effects accompanying 2000 of the most trivial and irrelevant questions. The questions are spoken by well known celebrities; amazing photographs accompany each

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question—but don't be fooled, they may not provide the answer; intriguing sound and music questions—classic, pop, and jazz. Pure fun and enjoyment for all ages and players.

*DoMark, Dist. by Acolade, 550 S. Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## ◆ Ultimate Basketball

Brings the fast-paced excitement of the court into your home in this 5-on-5 multimedia basketball simulation. You can join in the action on the floor, coach from the sidelines, do a little of both, and even set the game to play itself. With a halftime show and cheerleaders as part of the action, this is one game you won't want to miss. \$49.95  
*Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040, (215) 675-5000*

## ● VAXL Highband

VAXL Highband is a partial screen motion video production system which will produce frame accurate lip synced digital video from any video deck supporting the Sony S9 Protocol (eg BVU 9850s). The files are created automatically after you have set in and out points. Comprises software and controller. VAXL files may be utilized within Interplay CDTV or Interplay Amiga productions. NTSC/PAL compatible. 1MB RAM and a hard disk required. Price TBA.  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

## ◆ Voice FX

From Microdeal. Real time voice effect software to use with Voice Master. Effects available are: Pitch up, Pitch down, Echo, Multi echo, Robot, Pitch bend, Ramp, Reverb, Chorus, Reverse, and Stereo pan. Music CDs can also be played from Voice FX. You can sing along with your favorite artist and change your voice from Burl Ives to Michael Jackson, or from Terminator 2 to R2D2. Degree of pitch change, echo, etc., can be adjusted to suit the required output. \$29.95, \$19.99. \$29.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Wayne Gretzky Hockey-2

Wayne Gretzky Hockey-2 simulates every aspect of the game from penalties and power plays to sudden death overtime and instant replays. Create your own players. Make up your own teams, load and save them, or use any of the special teams provided. Set each player's level of performance at any of 11 skill categories. Customized options allow you to control the dual gamespeed, multiple difficulty levels, practice time, adjustable period lengths and more. With Wayne Gretzky Hockey-2, you control any player, coach from the bench, or let Wayne coach while you watch the action from the stands. Overhead, real-time graphics let you experience the finesse of a feather pass, the thrill of a last second save, or the impact of the bone-crunching body check. \$59.95  
*Bethesda Softworks, 1370 Picard Drive, Suite 120, Rockville, MD 20850, (301) 926-8300*

## Women In Motion

On-Line is proud to present Women In Motion, an encyclopedia of movement. These historic photographs are one of the great monuments of 19th Century photography and have never been superseded. This product gives a unique insight into the moving form. You can examine each frame of animation, print it out, or load it into an art package and work with it. Contains nudity—parental guidance suggested. Ideal for artists and film buffs. Will work on any 1MB Amiga and A570. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## World Vista Atlas

World Vista is the first multimedia world atlas incorporating color, fully featured maps, photographic images, high quality audio, and text. World Vista includes high definition maps from Rand McNally, over 1,000 professionally-photographed images, music from the Smithsonian Institution, and examples of over 60 foreign languages with on-screen translation. \$79.95  
*Applied Optical Media Corp., 1450 East Boot Rd., #400, West Chester, PA 19380, (215) 429-3701*

## Wrath of the Demon

Wrath of the Demon combines state of the art multi-level parallax scrolling with spectacular

graphics, animation and playability to bring you what is sure to be one of this years hottest graphic adventures. You are on a quest to rid the kingdom of an evil Demon and his minions, rescue the princess and restore honor to your King. Your quest will lead you through caves, swamps, temples, and castles before reaching your ultimate challenge...the Demon himself. Wrath of the Demon contains over 3MB of graphics data, 600 screens of action, 1400 frames of animation, more than 100 colors on screen and over 100 monsters, some larger than half the screen. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Xenon 2: Megablast

No one likes a bad loser. And no one comes more universally despised than the Xenites. For a thousand years they have been plotting revenge for their humiliating defeat in the last Galactic Conflict. Now they are back and the very fabric of time is in danger. Only you can save the day—not to mention the Universe. The CDTV version offers the player a choice of 12 tracks from artists such as Betty Boo, Bomb the Bass, S Express, and Baby Ford. Digitized pictures and biographies of the featured artist will be included. Other additions include enhanced in-game sound effects, an integral manual which contains further animations, and a chance to hear Crispin, the infamous shopkeeper speak. There is also a choice of five languages for the manual and ingame text: English, French, German, Italian, and Xenitese. (The latter is for any aliens who may wish to play the program). \$49.95  
*MirrorSoft, Irwin House, 118 Southwark St., London, England SE1 0SW*

## ❖ ❖ CDTV ACCESSORIES ❖ ❖

### ● AirMouse Remote Control

Two-button point-and-pick remote mouse for controlling interactive video presentations. No wires. Battery operated. User can be up to ten meters from the large monitor, or projection screen. Replaces the computer mouse or CDTV remote control. Requires AmigaDOS 1.3 or later. Available for NTSC. \$595.00  
*Selectech, Ltd., 30 Mountain View Drive, Colchester, VT 05446, (802) 655-9600*

### AnaMouse

Circuits and Software's Anamouse analog joystick adapter allows you to use most IBM-style analog joysticks with A500, A2000, and A3000 as an alternative to the Amiga mouse. Anamouse and support software is available now. \$19.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281, (404) 389-3875*

### Bookshelf Speakers A10

Matching set of high quality, sleek black stereo speakers with built-in audio amplifiers; connector cables included. To be released. CD1410. \$38.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Brick-ette

The Brick-ette is a hardware device which allows CDTV owners to hook up any wired mouse/trackball and joystick which would normally be used with the A500/1000/2000/3000. Features real-time mouse and joystick operation, dual fire button compatible, three-speed selectable rapid fire, two selectable mouse modes, and 4-foot molded cable. Sub-miniature design with complete 8-bit microprocessor built in. Simple installation—plugs into Remote port. One-year warranty. Call for free brochure. \$49.95  
*Top Secret Device, 1630 George Washington Blvd., Wichita, KS 67211, (316) 685-4763*

### CD1200 Trackball Controller

The Trackball controller increases the speed and control for fast interactive multimedia titles. With a trackball mounted in a weighted base and dual joystick connectors, the Trackball Controller is ideal for fast-moving programs that require instant decision-making. You can also plug in your favorite joystick and use it to operate your CDTV player. Commodore's Trackball Controller operates by either infrared remote control or by the plug-in cable provided. \$129.99  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### CD1252 Remote Control Mouse

The Remote Control Mouse gives you real mouse control over your CDTV player without wires or cables. A two-button mouse, it is excellent for fine, fast control of CDTV titles such as painting and drawing titles. It has sleek styling in moulded black plastic and includes a battery-saver feature.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### CD1400 CD Caddies

Set of two black caddies to hold and protect CDTV Multimedia, CD-ROM, and audio CD titles. \$14.99  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### CDKC-1000 Keyboard Connector

Use a standard Amiga keyboard on your CDTV or use an XT-enhanced keyboard with the KA-1 Keyboard Adapter. Quality components, lifetime warranty. Can be used with CDTV, A2000/A3000 series keyboard, or XT-enhanced keyboard with KA-1 adapter. Call for free brochure. \$19.95  
*Top Secret Device, 1630 George Washington Blvd., Wichita, KS 67211, (316) 685-4763*

### ◆ CDTV Laser Disk Storage Box

This high quality, lockable storage box holds 30 CD's. The boxes stack both vertically and horizontally, and interlock as well. They also come with keys and with colored dividers to separate your different subjects. Sold in case of six. \$25.00  
*S & L Computer Services, 5115 Via Veranada, Long Beach, CA 90805-6525, (310) 422-8226*

### Keyboard Adapter Cable

Circuits and Software's CDTV Keyboard Adapter Cable allows you to connect any A2000 or A3000 series keyboard to Commodore's CDTV interactive multimedia machine. The six-foot cable is available now. \$19.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281, (404) 389-3875*

### Personal Memory Cards

The CDTV Personal Memory Cards are a convenient way to save information for later use. Selected CDTV titles make use of the Personal Memory Card for saving position, scores, selected pictures, text, and other functions. Available in 64K (CD1401) and 256K (CD1405). To be released.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Tote CDTV

Tote CD is designed to carry ten CDTV disks/CD ROM disks/Audio Compact disks. Made with 3/16-inch foam, bonded to shell. Shell made out of water repellent Nylon Pack cloth. Lines made out of 200 Denier Nylon Oxford. Lifetime warranty. Colors: black, navy, mauve. \$13.90  
*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

### Video Genlock Cards CD-1300

The CDTV Genlock Cards let you combine CDTV visuals with video from a videocamera, videotape, or live television, and record the combined signal to a VCR. The Genlock mode is switchable between Video-Only, Combined (CDTV + video), or CDTV-Only. It can be controlled by the standard CDTV remote controller. Commodore's Genlock gives you instant control for many home and industrial video uses. Available in NTSC (CD 1300) and PAL (CD 1301). \$249.99  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ Voice Master

From Microdeal. This package includes a microphone and interface for your Commodore CDTV player. Interface plugs into the rear of CDTV player using parallel printer port; no external power supply required. Must be used with interactive CDTV programs such as Joky Karaoke and Voice FX from Microdeal or Asterix & Son from Eurotalk \$59.95, \$39.99.  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

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## ❖ ACCESSORIES & SERVICES ❖ GENERAL

### 12-inch Interactive Laser CheckDiscs

Accessories and Services/Laserdisc Production. Amigo provides production of laser checkdisc to CAV standard from one inch or D2 tape source within 48-hour turnaround. \$325.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 144.**

### ◆ 3.5-inch Diskette Box

This high quality, lockable diskette box holds 80 diskettes. Stackable both vertically and horizontally. The boxes come with four colored dividers and two keys and clips to lock them together. Sold in case of eight. \$12.00  
*S & L Computer Services, 5115 Via Veranada, Long Beach, CA 90805-6525, (310) 422-8226*

### ◆ AmiTote 2000

Designed for the A2000 series CPU/toaster CPUs. Will accommodate mouse, keyboard, and power cable. Pocket on outside front for magazines/papers. Shoulder strap also supplied. Not intended to be a hard case substitute. \$99.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205, (509) 325-0115*

### ◆ AmiTote 3000

Designed for A3000 desktop CPUs. Will accommodate mouse, keyboard, and power cable. Convenient outside pocket for magazines/papers. Shoulder strap included. Not intended to be a hard case substitute. \$109.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205, (509) 325-0115*

### ◆ AmiTote 500

The AmiTote 500 is targeted at the Amiga user on the go. The case will accommodate the CPU, power supply, mouse, and two slim profile 3.5-inch floppy drives. On the outside there's a pocket for magazines, papers, etc. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205, (509) 325-0115*

### ◆ AmiTote Baby

Designed to accommodate CDTV units as well as associated remote keypad and power cable. Pocket on front to hold several CDs. Not intended to be a hard case substitute. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205, (509) 325-0115*

### ◆ AmiTote Monitor

Designed to comfortably accommodate the 1084/1950 monitors plus display cords and power cable. Shoulder strap optional. Not intended to be a hard case substitute. \$89.95  
*Left Hemisphere, Suite 720, Shadle Center, Spokane, WA 99205, (509) 325-0115*

### ◆ Amiga Embroidered Crest

This beautiful 6-color 3.75-inch x 4.75-inch embroidered crest on black with black ribbing includes the original Amiga checkmark, Amiga text, and boing ball with twist! Just the thing for your coat, duffle bag, or computer carrying case. Durable fabric, good workmanship. Discounts for orders of 50 or more for users groups; user

group initials can be added on request. Artist-designed on the Amiga. \$6.95 plus \$1 shipping and handling. \$6.95  
*CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### BBI-Battery Backup

The BBI Battery Backup is a power control center with a standby battery unit built in. This can save countless hours of work by allowing you to save files after power loss. \$499.95  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901*

### ◆ Banx 5.25-Inch Diskette Storage Box

This high quality, lockable diskette storage box holds 180 5.25-inch disks. Also holds 130 3.5-inch disks. These boxes also stack vertically and horizontally and will interlock. They come with four colored dividers, keys, and clips. Sold in case of six. \$18.00  
*S & L Computer Services, 5115 Via Veranada, Long Beach, CA 90805-6525, (310) 422-8226*

### Cables & Switch Boxes

Specialize in custom monitor cable configurations, switch box setups, cables for Amiga, FlickerFixer, FrameGrabber, Freeze Frame, Amiga to Digital monitors. Super VHS cables, parallel and serial cables, Toaster/Digiview cables, etc.  
*Redmond Cable Corp, 17371 A1 NE 67th St., Redmond, WA 98052, (206) 882-2009 West*

### Interactive Laser CAV Masterdiscs

Accessories and Services/Laserdisc Production. Amigo provides production of laser masterdisc to CAV standard from one inch or D2 tape source within 72-hour turnaround. \$2200 12-inch single-sided CAV Master. \$11 each 12-inch replicated single-sided disc.

*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*

**Please see display ad page 144.**

### Plexiglass case for the Amiga 2000

Limited edition — only 50 cases will be built! Eye-catcher at every show or fair. Highest quality materials used. 8mm Plexiglass case and totally see-through.

*Advanced Computer Design, Carl Schurz-Str. 11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

### Portal UUCP Connection

Portal's UUCP Connection allows Amiga users to receive direct feeds of electronic mail and Usenet news. Email access enables direct connections to hundreds of thousands of computer users on thousands of public and private networks. The Usenet is a distributed conferencing system used by 1.5 million people all over the world to share information on thousands of technical and non-technical topics. With UUCP protocols, the user's computer can be set to call Portal at specific intervals for exchange of data. The user can then read mail and news from his own system, offline. Usenet feeds can be tailored to specific newsgroups according to the subscriber's interests. Optional support services allow the user to get telephone help with installation and maintenance of the UUCP connection. Amiga 500, 1000, 2x00, 3000. Requires 512K (more recommended), 1 floppy drive (hard drive recommended), AmigaDOS 1.3 or later, and a modem (1200 baud min, 9600 recommended). \$34.95/month plus \$1.95/hour basic service. \$95/month plus \$1.95/hour, supported.

*Portal Communications Co., 20863 Stevens Creek Blvd., Ste. 200, Cupertino, CA 95014, (408) 973-9111*

### The Computer Club's Brand Foam Bat

Foolproof, 100% bug-free, 18-inch foam rubber bat. An intuitive user interface, it requires no

technical knowledge of computers. Eliminates frustrating software and hardware bugs forever! A 100% compatible computer accessory! (Free with any software order. Limit one free per customer). \$5.95  
*Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022*

### The Portal Online System™

The Portal Online System is a full-service online system featuring the critically acclaimed Amiga Zone. Amiga users can access nightly live conferences with Amiga industry experts and personalities, thousands of downloadable files, contests and prize giveaways, vast message bases, and vendor support areas. Portal is the only national service that offers the entire Fred Fish disk collection online. 1.6 gigabytes have been reserved exclusively for Amiga files. Other Portal features include global Internet email, z-modem file transfers, and access to the Usenet conferencing system at no additional charge. Portal can be reached by direct dial, local Telenet nodes, or PC Pursuit. Accessible from over 70 countries using Public Data Networks of the host countries. Requirements: Any Amiga running any communications software. Also requires a modem (300, 1200, 2400, 9600 baud), and a telephone line. \$13.95/month, \$19.95 Startup fee.  
*Portal Communications Co., 20863 Stevens Creek Blvd., Ste. 200, Cupertino, CA 95014, (408) 973-9111*

### Tote 1084/1950

Designed to protect and transport the Commodore 1084 or 1950 color monitor and cables. Made out of 1000 Denier water-repellant Cordura 3/4-inch high density shock absorbing foam. Comes with adjustable, detachable, padded shoulder strap. Cushioned wrap around handles. Lifetime warranty. Colors: black, navy, gray. \$72.90  
*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

### Tote 500-3000

These totes have been especially designed for protecting and transporting the Amiga 500, 2000/2500, or 3000, power supply, mouse, external drive and several 3.5-inch disks. Made out of 1000 Denier water-repellant Cordura, 3/4-inch high density shock absorbing foam. Comes with adjustable, detachable, padded shoulder strap, cushioned wraparound handles. Lifetime warranty. Colors: black, navy, gray. Priced from \$69.90 to \$86.90.

*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

### Video Transfer Service—Video Production

Full .75-inch production service. Transfer Amiga graphics to videotape: .75-inch, VHS, S-VHS, Beta, M-II. Send self-addressed, stamped envelope for rate sheet. NTSC only.

*Pixel Vision, 7415 N. Winchester, Chicago, IL 60626, (312) 761-6620*

## ❖ ACCESSORIES/WORKSTATIONS ❖

### Carpal.Eez

An effective method of ergonomic intervention, Carpal.Eez butts right up against the front edge of the keyboard and fits snugly and securely under it. This new biomechanical aid provides the needed support and a safer wrist angle to help reduce ligament-straining repetitive wrist motions while operating the computer. Carpal.Eez also assures comfortable hand and wrist action. It fits any size computer keyboard, even laptops. Two models are available: a padded model and an anti-static padded model with a ground wire connector that instantly dissipates data-demonizing electricity. Three adjustment levels to as-

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sure proper wrist support angle. The standard model is \$27.95; the anti-static model is \$34.95. *Viziflex Seels, Inc., 16 E. Lafayette St., Hackensack, NJ 07601-6895, (201) 487-8080*

## Computer Coverup, Inc.

Computer Coverup, Inc. has added more than 200 new models to its wide line of attractive clear vinyl dust covers. For further information on Computer Coverup's dust covers and other products, contact the company. *Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614, (312) 326-3000*

## Covergear

A new deluxe series of nylon dust covers that span virtually the entire range of computers, keyboards, printers, and monitors. Covergear is silver with coordinated blue piping. Features drawstring that secures and shapes cover snugly, a special built-in stuff sack that allows for neat, convenient storage. Water-resistant, stain-resistant, anti-static nylon. Contact company for price quote. *Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614, (312) 326-3000*

## Disc Tote

Disc totes are designed to carry 12 3.5-inch disks (\$13.90) or 20 5.25-inch disks (15.90). Both are made with 3/16-inch foam bonded to shell. Shell is made out of water repellent Nylon Pack cloth. Lines made out of 200 Denier Nylon Oxford. Lifetime warranty. Colors: Black, Navy, and Gray. *D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

## Great Cover-Ups

Clear, frosty, high-quality, sewn custom dust covers for computers, printers, and most peripherals. *Great Cover-ups, P. O. Box 751, Oregon City, OR 97045, (503) 655-0602*

## Keyboard Kaddy

The Keyboard Kaddy can hold your keyboard securely on top of your monitor when you are not using the keyboard. Its strong and attractive smoky-colored plexiglass construction allows it to hold any size keyboard on top of any size monitor. \$14.95 *Additional Ideas, Inc., 1083 McMillan St. NW, Atlanta, GA 30318, (404) 872-6151*

## Keyboard Wrist Rest

AliMed's new extension Wrist Rest can be used with those keyboards that come to the very edge of the desk or keyboard stand. An extension plate slips under the keyboard and is held in place by the supplied Velcro attachments. Tingling fingers, tired wrists, and associated pain can be eliminated with Keyboard Wrist Rests. Wrist Rests can help avoid wrist stress by holding the wrist in a more natural, strain-free position. Available in three sizes: half-inch, one-inch, and two-inch. \$19.95 *AliMed, 297 High Street, Dedham, MA 02026, (800) 225-2610*

## Komfort Wrist Rest

Komfort Wrist Rest provides protection from Carpal Tunnel Syndrome and Repetitive Strain Injury for those people spending long hours at their computer keyboards. The Komfort Wrist Rest is a two-piece assembly consisting of a base and adjustable foam support. The base is designed in molded high impact thermoplastic with four sets of tracks. The support cushion is bonded to a metal plate. The plate is then inserted into the tracks at the desired height. \$35.00 *[MJ] Enterprises, 22855 Lake Forest Drive, Ste. E202, Lake Forest, CA 92630, (714) 472-4409*

## Laser Disc Tote

Laser Disk Tote is designed to carry most Laser Disk Players available today. Made with one-inch high density shock absorbing form. Shell is made with 1000 Denier Cordura. Colors: Black, Gray, Royal. Lifetime warranty. \$73.90 *D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

## MONITOR STAND

Monitor stand for the A500. Extra strong (solid 0.75-inch kiln-dried oak or pine). Extra wide (26-inch W X 11-inch D X 5.75-inch H). It is very durable, clear, and with a satin finish. Mail orders: Pine \$32.26/ea, Oak \$38.42/ea. *CompuTerm Company, P.O. Box 77, Oakhill Road, North Bridgton, ME 04057, (207) 647-5771*

## MS-500 Monitor Stand

Fits over the back of the A500 to provide a place to set the monitor. Ideal for today's multimedia presentations and demonstrations. Hides all of the A500's cables and makes for a very professional display. \$35.95 *Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243*

## Mouse Wash 2500

A specially designed acrylic ball that has a texture design to grab the dirt and grime build-up on the rollers without scratching them. Needs no chemicals that may damage your mouse. \$7.95 *T & L Products, 2645 Wilson Street, Carlsbad, CA 92008, (619) 729-4020*

## Mouse-Ease

Engineered especially for mouse driven computers, the Mouse-Ease is an ergonomically designed wrist support for those who perform with the mouse on a daily basis. It gives adequate support to the wrist while allowing you to maneuver the mouse with ease. Covered in a soft, washable fabric, the Mouse Ease is constructed with three foam inserts allowing for a high or low adjustment. For user convenience, its padded support attaches with velcro to a non-skid baseplate that simply slides under the mouse pad. \$24.95 *GERED Corporation, 2401 N.E. Cornell Rd., #125, Hillsboro, OR 97124, (800) 852-8727*

## Mousetrap® Slim Line

A document stand for mouse-driven computers. It is designed to keep your mouse within quick, easy reach so you can keep your attention on the computer screen. The document stand resides over the mouse area to help minimize your work space. A unique copy gripper keeps your copy in place while the 4.5-inch base raises your copy to a more comfortable height. The document stand will also adjust up and down, and side to side. Designed to fit smaller mouse pads. \$23.95 *GERED Corporation, 2401 N.E. Cornell Rd., #125, Hillsboro, OR 97124, (800) 852-8727*

## Non-Glare Full Spectrum Lights

Distributor of complete line of long-life, full spectrum (sunlight-simulating) incandescent, fluorescent, and halogen lights. Full spectrum lights relieve eye strain, fatigue, and SAD (seasonal depression), show true color and increase productivity. Bulbs fit into standard lamps and fixtures, and are available in all popular sizes and styles. Free catalog. *Westgate Enterprises, 2210 Wilshire Blvd., Ste. 612, Santa Monica, CA 90403-5800, (310) 477-5891*

## PANIC button

So when the phone won't stop ringing and the boss is in a bad mood, just push the Panic button. The bright red computer key is imprinted with the word 'Panic.' The button's adhesive backing allows it to mount easily on any computer or typewriter keyboard, so it will always be handy when the day reaches a frustrating level. Buttons are available for \$1.00 plus a self-addressed, stamped envelope. Great gag gift! \$1.00 *Memory Makers, 3024 Haggin Street, Bellingham, WA 98226, (206) 734-9506*

## Rat-Pad!

A mouse pad that is 10-inch x 12-inch. Gives your mouse room to roam. \$11.95 *T & L Products, 2645 Wilson Street, Carlsbad, CA 92008, (619) 729-4020*

## RoomMate Computer Monitor

Enjoy room-filing sound without room-filling equipment. These 6 x 9 x 6-inch speakers bring superb sound out of your Amiga. Includes a built-in amplifier, active equalization, and unique Bose HVC drivers. Plug RoomMate into your Amiga right out of the box. People who use their Amiga for MIDI or voice synthesizers, music composition, multi-media presentations, or even serious game players, will appreciate the range and depth of sound. \$339.00 *Bose Corporation, The Mountain, Framingham, MA 01701-9168, (508) 879-7330*

## The Ergotron Design Station

Free-standing design station rescues valuable desk space. Place the CPU on the adjustable shelf, which can be adjusted six inches vertically. Suspend the monitor above the desk using the workstation's hydraulic Radial Arm, which provides 20° horizontal, 20° tilt, and 360° rotation. Models in 25-inch and 30-inch widths, and 64-

inch, 70-inch and 78-inch heights. *Ergotron, 3450 Yankee Drive, Suite 100, Eagan, MN 55121, (800) 888-8458*

## The Ergotron Workstation Suspended Radial Arm Computer

Workstation designed to save valuable workspace by suspending the monitor and processor above the work surface. Provides shelf for the processor and a radial arm that suspends the monitor above the desktop. The pivoting arm lets the user adjust the monitor to any position and provides a six vertical adjustments, 20° tilt, and 360° rotation with the touch of a hand. Models in 25-inch and 30-inch widths, and 64-inch, 70-inch, 78-inch heights. *Ergotron, 3450 Yankee Drive, Suite 100, Eagan, MN 55121, (800) 888-8458*

## Touch It Static Mats

This product is designed to protect computers, printers, and other sensitive electronic equipment from harmful static electric charges. The user simply touches the mat before touching the computer or peripherals and it dissipates any electric charges through its grounding cord instead of through the computer system. Touch It static mats come in four sizes, 10-inch x 20-inch, 18-inch x 18-inch, 18-inch x 24-inch, and 24-inch x 26-inch. They feature a non-skid mat that fits under any system and an eight-foot snap-on ground cord. The product carries a suggested retail price of \$16.96 to \$29.95, depending on the size of the mat. *Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614, (312) 326-3000*

## Type-Ease

Type-Ease is a wrist support specifically designed for those who perform long, tedious tasks at computer workstations and keyboards. This product can significantly reduce the symptoms associated with Carpal Tunnel Syndrome such as stress, strain, and fatigue. Covered in a soft, washable fabric, the wrist support is constructed with three foam inserts allowing for a high or low adjustment. For user convenience, Type-Ease attaches with velcro to a non-skid baseplate that simply slides under the keyboard. \$29.95 *GERED Corporation, 2401 N.E. Cornell Rd., #125, Hillsboro, OR 97124, (800) 852-8727*

## Universal Joystick/Mouse Switch

Newest version is compact pushbutton switch. Allows two devices to share same port. Either device can be selected at the push of a button. Switches all nine lines, so it is safe to connect and disconnect devices with power on! \$29.95 *Micro R & D, Inc., 721 O Street, Loup City, NE 68853, (308) 745-1243*

## VDS120

Vertical disk storage unit, large capacity, wall-mountable, organizing compartments. Holds over 120 3.5-inch disks. \$29.95 *Vertical Solutions, P. O. Box 1150, Beaverton, OR 97075, (800) 942-4008*

## VDS240

Vertical disk storage unit, large capacity, wall-mountable, organizing compartments. Holds over 240 3.5-inch disks. \$49.95 *Vertical Solutions, P. O. Box 1150, Beaverton, OR 97075, (800) 942-4008*

## Video-Link

Remote control for VIVA II with ARexx interface. Add the capabilities of interactive video to your favorite software program. Video-Link provides control of laser disk players either through Workbench or ARexx interface. Extend AmigaVision and CanDo abilities to include control of consumer laser disk players. \$49.95 *MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Wrist Support Line

WRIST PAD-\$11.95-is constructed of durable nylon and sponge rubber padding for comfort and support. Its non-skid surface stays in place letting hands rest naturally in the proper keying position. WRIST RELIEF-\$19.95-is a vinyl-covered, padded rest supported by durable styrene for stability and comfort. Specially designed feet prevent slippage. WRIST RELIEF PLUS-\$24.95-features a vinyl-covered padded rest that fits into a durable styrene tray. When a user places the keyboard on WRP, the hands rest naturally in the proper keying position. This deluxe version features specially designed rubber feet to prevent slippage during use. *Computer Coverup, Inc., 2762 N. Clybourn Avenue, Chicago, IL 60614, (312) 326-3000*



# Accessories & Services

## WristMate

An elevated, cushioned support which helps align wrists to the computer keyboard. Computer operators can relax muscle tension in wrists, arms, shoulders and neck to ease the discomforts of repetitive motion tasks. \$49.95 *Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

## ♦ ♦ ♦ SERVICES ♦ ♦ ♦

### 3-Dimensional Video Service

3-Dimensions creates high quality computer animation as well as 3-D objects for Lightwave. 3-Dimensions is equipped with state-of-the-art Amiga/Video Toaster workstations. We generate full 24-bit (16.7 million color) images that can then be recorded onto videotape. *3-Dimensions, 1845 Doris Dr, Menlo Park, CA 94025, (415) 599-4782*

### 35mm Color Slide Transfer Service

Ultra High Resolution 35mm Color Slides of IFF, HAM, and 24-bit IFF Bitmap pictures, and Photographic-Quality Color Postscript Slides created with Structured Drawing and/or Color Desktop Publishing programs. Over 4000-line resolution for sharp, clean images with no scanlines, no curvature distortion, and brilliant color. FREE samples on request. *Hammond Photographic Services, 11280 Washington Place, Culver City, CA 90230, (310) 390-3010*

### 35mm Color Slides and Imaging Services

We provide quality slides and photographs of any Amiga IFF/HAM/EBH image file. We also have been the only service to support any Amiga 24-bit IFF/RGB file format (i.e. Toaster, Imagine, Turbo Silver, Sculpt, etc.). We can also transfer AutoCAD/GIF/TGA/Mac files and videotape to slides and photographs. *Action Graphics, 4725 Dorsey Hall Dr., Ellicott City, MD 21043, (410) 992-0749*

### 35mm Slides

35mm slides of your Amiga artwork. Converts all IFF files distortion-free with raster lines filled. HAM files also converted. Jetprintouts from Sharp JX730 from IFF files also available. Custom graphics and illustration. Send for price list. *True-Image, P. O. Box 660, Cooper Station, New York, NY 10276, (212) 777-7609*

### ALL PRO Film/Video Productions

Computer graphics and animation services. Single frame animation, high resolution slides, and 1200 and 2400 DPI Postscript. ALL PRO also offers full video production and post-production facilities and services. Featuring digital effects, video editing and transfers, location crews, titling, sub titling, 2-D and 3-D animation, paint box, real time animation, and full graphic design support. *ALL PRO Film/Video Productions, 124 West 60th Street, New York, NY 10023, (212) 489-5780*

### Amiga Animation and Graphics Services

AniGraphics provides full service animation and computer graphics development for entertainment and education software developers. Services range from early conceptual development to finalizes screens, performed by a staff of artists with years of experience in the software industry. AniGraphics has developed proprietary tools for high quality, inexpensive conversions between systems and resolutions. Our order placement system permits you to get precisely the images you want, quickly and on budget. *AniGraphics, N9476 County SC, Ixonia, WI 53036, (414) 261-8992*

### Amiga File Transfer to Video Tape

High quality in transferring Amiga files to videotape. Recorded in component with color correction for legal video values onto BetacamSP. Dubs to 1-inch tape, 3/4 U-matic + SP VHS and S-VHS. 8MN and H18 Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066, (215) 664-4955 serv

### Amiga Graphic Services

Laser prints (color or black & white) typesetting from Linotronic 330 to paper or film. Also color separations, color scanning, 35mm slides and print production; service by mail, UPS, FedEx or modem to our 24-hour bulletin board. Call (214) 702-9119. *Metropolitan Computer Products, 4372 Spring Valley Road, Dallas, TX 75244, (214) 702-9119*

## ♦ Amiga Training and Support

We offer a wide variety of services for the Amiga and Video Toaster systems. Everything from video graphics and animation production to training, consultation, and support services. Customized service, on-site training, and competitive pricing. Call for more details. *Action Graphics, 4725 Dorsey Hall Dr., Ellicott City, MD 21043, (410) 992-0749*

## ♦ Amiga-Based Animation and Graphics

Have assembled wide array of equipment: Toaster, Firecracker, 24-bit Epson scanner, personal SFC, Panasonic 7750 video deck, more. Substantial hard drive space and rendering power for handling short pieces as well as more ambitious projects involving several minutes of animation. Have developed motion picture film recorder that allows output in VistaVision format at resolutions up to 4K. Besides motion picture applications, recorder allows transfer to any video format, including HDTV. *Anti Gravity Workshop, 456 Lincoln Blvd, Santa Monica, CA 90402, (310) 393-9747*

## ♦ Amiga/Motorola Software Development Service

Specializes in high-end scientific and entertainment applications. Provides complete applications which are researched, documented, designed, and developed in house. All software developed on A2000 with CSA Magnum40/4 68040 accelerator with 32MB of RAM, battery-powered RAM disk, 386 IBM-AT bridgeboard, and 600MB magnetooptical drive. Another Action Replay MKII coprocessor-equipped A2000 is used for testing and debugging. For scientific/engineering users, microcontroller software is developed for Motorola 68008, 68EC040, and 68HC11/16 family of integrated circuits. *Frankenstein Software, P.O. Box 138, New York, NY 10116-0138*

## Applied Creative Arts

A complete graphics service bureau offering downloading services for computer artists, researchers, video producers, designers, and anyone else interested in high-quality output at reasonable prices. Services include 35mm color slides, Vu-Graphs, photographic prints, high-resolution digitizing, video transfers, and custom services. All work is done in-house. *Applied Creative Arts, 55 Grace St., Malden, MA 02148, (617) 322-4571*

## BIX (BYTE Information Exchange)

BIX is short for BYTE Information Exchange, the online service for people who know computers. BIX hosts a growing number of special-interest exchanges—such as Amiga exchange, the meeting place of Amiga users and developers from around the world—and BIX is the official home of Commodore Amiga Developers. In addition to our Amiga coverage, you'll find BIX covers specific hardware and their applications, software, programming languages, and operating systems. A BIX subscription also gives you access to software libraries containing thousands of downable programs, an up-to-the-minute industry news service, the text of BYTE magazine before its in print, private E-mail with binary-file capability, UNIX mail, and product-support conferences from more than 100 hardware and software vendors, and games and leisure activities. Subscription is for one-year, billed \$39.00 per quarter (telecommunications not included). *BIX (Byte Information Exchange), 1 Phoenix Mill Lane, Peterborough, NH 03458, (800) 227-2983 voice*

## CD-ROM's

Manufacture all types of CD-ROMs. Formats available: CDTV, DVI, CD-ROM, CD-ROM/XA, Mixed Mode. *Disc Manufacturing, Inc., 1409 Foulk Rd., Ste 202, Wilmington, DE 19803, (800) 433-DISC*

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We offer technical writing, proofreading, editing, and professional desktop publishing services. Our manuals have received rave reviews. We can help improve the content and presentation of your software documentation and packaging. We also edit and localize documentation translated from other languages. Design services and programming of software utilities offered on an individual basis. Price list available on request. *CLASSIC CONCEPTS Futureware, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## CV Design Services

Enhance existing images with various software packages. Amiga IFF PostScript files from disk (AFGA Matrix Forte) to 24-bit slide (\$13-\$15 per slide), also Canon TLC PostScript (400 dpi), IFF files designed (AFGA Matrix Forte), color and black and white; hardcopy from QMS Colorscript printer (300 dpi), digitized or designed images to Amiga disk, video animation, art makeup, and design (complex graphics). Laser service (300 dpi) in color or black-and-white, overheads also possible. Art production and transfer service of slides. Conversions and video disk support available. Spinning logo animations at reasonable cost to disk or tape from \$5 per frame. HP Paintjet prints color as low as \$4 per print and color glossy 1800 dpi prints (\$30) or \$40 for two 8 x 10s. 4 x 5 8K line NEGS (70) \$80 for two. Toaster and Firecracker slides a specialty. *CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

## Component Retrieval Service

Our patented component retrieval process and complete component refurbishment facility make it possible for you to reliably recover components from PC Boards even if the parts are soldered. The cost of this service can be as low as 15 cents per component with a minimum order of \$200. *Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330*

## DIGITAL FORMATIONS

High-quality digitizing of photos and other 2-D media in requested resolution. First picture \$8, then \$4 for additional ones. *Digital Formations, P.O. Box 3606, Lakewood, CA 90711-3606, (818) 566-7087*

## Desktop Video Graphics Service

Master Mode, Ltd., a production house, is dedicated to the demands of desktop video aficionados. Services include digitizing of still photos, 2-D objects and live video, as well as video-titling and transfers of graphics to video. Master Mode is a source of 3-D animation. *Master Mode, Ltd., P.O. Box 583, Geneva, IL 60134, (708) 208-0400*

## Educational Consulting

As both an Amiga educational dealer and a teacher using Amigas, Mr. Horan offers educational training, consulting and products from kindergarten through Grade 12. *Mr. Horan's Computer Lab, 12975 US 60, Middletown St. Mall, Louisville, KY 40243, (502) 244-9595*

## Genie

Genie is one of the world's largest consumer online services. You can access a huge library of Amiga files on Genie, along with bulletin boards and files for almost any subject. Also features many multi-player games, chatting with other members, educational services, travel and information. The Amiga area is one of the fastest-growing on all of Genie. Rates: \$4.95 per month, 100 services, no charge, rest \$6.00/hour. *Genie (General Electric Information Services), 401 North Washington, Rockville, MD 20850, (800) 638-9636*

## ♦ GIFTED SCANS

We offer the best in Amiga 24-bit scanning. Resolutions up to 600 dots per inch. Maximum document size is 8.5 x 13.5. All file formats supported. 8-bit gray and 1-bit line art scanning also available. Prices start at \$10. Call for information. *Gifted Artists, 3216 Summit Ave., Baltimore, MD 21234, (410) 347-8395 bef. 5*

## ♦ Gateway Amiga Club

Provides maps of dealers in greater St. Louis, Missouri, area to stores handling Amiga products. Also sells 'I Love My Amiga' bumper stickers for \$2.50 each. Send check to GAC Bumper Sticker. Authorized clubs and dealers write for discount. *Gateway Amiga Club, Inc., P.O. Box 811, Bridgeton, MO 63044, (314) 739-5181*

## Giraffe-X Desktop Services

Full service graphic design and production, desktop publishing service bureau, PostScript laser printing, Linotronic type setting, digital color separations, 24-bit color scanning, video digitizing, color slide production and output from standard Amiga IFF image files. Data conversions IBM <-> Amiga <-> Macintosh. Serving the Amiga

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Julie Petersen, BFA, M.Ed., offers computer graphics and design skills, including illustrations, animation, and 2- and 3-D graphics. Credits include 1986 World's Fair, Canada Council Commissions, Awards of Excellence in New York and Canada for science and health-related computer illustrations and animations. *CLASSIC CONCEPTS Futureware*, P.O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

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Gearing Up For The DTV Experience. A one-day seminar exploring the world of DTV technology. An engaging course in 'what to do' and 'what not to do' when fashioning a desktop video system. Topics are as follows. Computer: Platforms (Amiga, IBM, Mac), Peripherals (genlocks, scanners, digitizers, drawing pads), Software (titling, paint, animation, special f/x, more). Video: Postproduction Equipment (VCRs, TBCs, edit control, picture monitors, etc.). Tape Formats (SVHS, Hi8, U-matic Std/SP, MII, BetaCam SP), System Config/Design. We will demonstrate NewTek's Video Toaster. Demonstrations of DTV on all platforms will provide opportunity for 'hands-on' activity. Seminars will be held throughout 1992 in major U.S. cities. Please contact us for specifics. Tampa, FL May 18-22. Approx. \$300 person/day. *Video Technical Group*, 7 River Bend, POB 515, Jasper, AR 72641, (501) 365-3065

### Midwest Desktop

Midwest Desktop is a writing and documentation service specializing in technical and industrial companies. We can help you with manuals, newsletters, press releases, spec sheets, and product reviews. Other services include on-line documentation, proofreading, editing, and beta testing. We have been using Amigas since 1986 and currently have an A3000 in-house. *Midwest Desktop*, P.O. Box 26506, Green Bay, WI 54303-1146, (414) 434-9779

### National Amiga Network System

BBS and information center for all aspects of the Amiga. Twenty-four hour service with on-line technical help and access open to all. *Micro-Telecomm*, P.O. Box 50269, San Diego, CA 92105

### Photographic Hardcopy from Amiga Files

Slides, transparencies, black-and-white and color prints with no scan lines, full-file resolution, and correct color reproduction. *Philadelphia Video Lab, Inc.*, 338 Winding Way, Merion, PA 19066, (215) 664-4955 serv

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The Raster Image offers a full range of consulting and programming services in the video field, from animation and special effects graphics to application development, as well as training and hardware/software purchasing advice. Over four years experience in video coupled with over 10 years of computer experience assure professional results. 2-D and 3-D animations, from simple corporate logos to complex landscape modeling, are available at reasonable hourly rates. Only the finest equipment is used, guaranteeing broadcast-quality results in all formats. *The Raster Image*, P.O. Box 12383, Denver, CO 80212-0383, (303) 831-8352

### STL File Conversion

This service converts Amiga- or Macintosh-generated surface modeling files to the .STL file format needed to make plastic parts by stereolithography or selective laser sintering (SLS). Any modeling software that can generate a scene or object file that can be input to the Amiga version of Sculpt 4D can be your tool. Your data file is converted to the format and media for the stereolithography or SLS vendor. Price to convert files on 3.5-inch diskette is \$75. Parts can also be made. Also see Read4D under CAD/UTILITIES. Call for details. \$75.00 DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012, (817) 275-2044

### Services to CDTV Developers

Optonica offers a full range of software development and multimedia production services including scanning and digitizing, CDTV, CDXL, and VAXL motion video production, audio sampling, graphic design, software development, multimedia productions from authoring to finished product for consumer, education, professional, and educational markets, and, finally, consulting. Rate sheet provided on application. *Optonica Ltd.*, 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282

### Slide Service

Film recording service. Prices as low as \$3 per slide, with a minimum order of three. All Amiga graphic modes and resolutions supported except PAL and 24-bit. *Slide City*, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103

### The Amiga Exchange

At last there is a place where you can get cash for your used computers and equipment—in only 24 hours! The Amiga Exchange buys used Amigas and peripherals for the best price anywhere. This newly established company refurbishes used Amigas and peripherals and resells them at discount prices. All equipment purchased through The Amiga Exchange carries a 30-day warranty. Buy, sell, trade, or upgrade your Amiga system at great savings. We look forward to discussing your personal computer needs and answering any questions you may have. *Amiga Exchange, The*, 184 Main Street, Portland, CT 06480, (203) 342-5327

### Video Services

*AmigaSlides*—We offer Amiga IFF (including hires, HAM, and 24-bit) output to 35mm slides at 4,000 lpi. Get professional results with an average two-day turnaround and low cost. *Amiga Scanning*—We offer 24-bit file scanning (11 x 17 at up to 300 dpi) we can give you the 24-bit IFF file, or process it to a standard IFF, TIFF, PICT2, RGB, Rendition, GIF, or PCX. *Amiga Desktop Publishing Output*—Postscript laser prints (color or black and white) 300 dpi. Linotronic output to paper or film 1270 or 2540 dpi. Also color separations and color keys available. All services provided in house. Frame by Frame Amiga Animation to Tape—Professionally transfer your Amiga animations (both 24-bit and regular Amiga resolutions) frame by frame to SuperVHS or VHS videotape. We also offer complete A/B roll editing suite in S-VHS or VHS format. Call for pricing and how to get your material to us. *Metropolitan Computer Products*, 4372 Spring Valley Road, Dallas, TX 75244, (214) 702-9119

### Visual Vision

Video Production services for Amiga users (NTSC). Includes Pro-S-VHS A/B Roll editing with Y/C special effects as well as toaster effects, edit suite rental, Pro-single frame recording, graphic and logo designing, computer animations, image capture and enhancement. Desktop publishing service also available. Amiga VAR consultant. We offer below competitive pricing, and quick turnaround service. *Visual Vision Video & Graphic Productions*, RR1, Lot 27, Con 8, Seventh Line #13351, Georgetown, Ontario, Canada L7G 4S4, (416) 873-4959

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X-TENSION is a technical support service contract that provides telephone support for X-CAD products by a professional staff of CAD operators. X-TENSION provides access to Public Domain and shareware utility disks and other customized XCAD products. Includes one-year subscription to X-PRESS. \$72.00 *GrafX Computing*, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468

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## ♦ ♦ ♦ AUDIO TAPES ♦ ♦ ♦

### Amiga Sings!

A 90-minute music cassette tape that demonstrates the creative use of the Amiga as a compositional and performance tool for musicians. Some of the works utilize the Amiga's internal voices and a library of digitized sounds, while others address the MIDI device developed by Marquis Music of Toronto—the MIDIA Musicbox. The tape is accompanied by a sheet that details the various Amiga software used, and the motivation behind the compositions. \$15.00  
*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

### Amiga Sings! Again

Another 90-minute cassette of compositions that take advantage of the Amiga and a collection of software as the sequencing heart of the system. In addition to some selections utilizing internal voices, the music demonstrates the capacities of the MIDI 'music box' and a Yamaha TG33 sound module. All compositions are original and were recorded professionally; detailed info sheet completes the package. Available 3/1/92. \$15.00  
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### Dungeon Master-The Album

Original sound track, composed and performed as background music for the game Dungeon Master. Set the mood for Dungeon Master play by putting this album on your home CD player. Available in compact disk format only. Works with CDTV. \$12.95  
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### ♦ I-Koen Design Guide to PageStream

The complete reference guide to PageStream publishing. Reference charts for fill styles, half-tone screens, line styles, and object effects at 300 and 1200 dpi. Samples of PageStream fonts and standard PostScript fonts. Character set comparison charts for Soft-Logik, PostScript, and Compugraphic fonts. Keyboard reference charts for Dingbats and Symbol fonts. Text size, style, tracking, and leading samples. Reverse type, baseline shift, and other text effects. Plus: a guide to writing macros and keyboard equivalents. Price: \$6.95 plus 5% shipping and handling (10% outside USA and Canada). \$6.95  
*I•Koen Design, P.O. Box 107, Lazo, B.C., Canada V0R 2K0*

### Vidia Guide to PageStream

An idea book, sample book, and quick reference—all in one complete guide for desktop publishing using PageStream. Samples of PageStream and Compugraphic typefaces. Halftone screens, pattern fills, line styles, and weights at 300 and 1200 dpi. Examples of dot-matrix output, rotations, slants, twist, and linespacing. Keyboard shortcuts and toolbox hints. \$7.95  
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*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266, (310) 379-7139*

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## ♦ ♦ ♦ BOOK/DOS ♦ ♦ ♦

### AmigaDOS 1.3 Reference Book

This 16-page reference book is designed for use as a guide to standard Amiga keyboard commands. Included are summaries of AmigaDOS commands, the ED editor's commands, standard AmigaDOS devices and assignments, which are arranged alphabetically, and Amiga Error Codes, which are listed by number. \$4.95  
*Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022*

### AmigaDOS CLI Reference Book 1.2

This reference book is designed for use as a guide to standard Amiga Command Line Interface (CLI) usage. Included are summaries of AmigaDOS CLI commands, the ED editor's commands, and standard AmigaDOS devices and assignments. Eight pages. \$2.50  
*Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022*

### AmigaDOS Manual, Third Edition

This 352-page manual covers all commands and functions of AmigaDOS, up to the latest release 2.04. The book has three parts: The User's Manual, The Developer's Manual, and The Technical Reference Manual. Each part is designed to help users at their appropriate level of expertise. \$24.95  
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Quick reference to the ARExx batch programming language. Syntax, descriptions, and examples for every ARExx function and command, in an easy-to-read compact format. Covers ARExx utility programs, special characters, operators, and other ARExx facts. Speeds up the process of writing ARExx scripts. \$8.95  
*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266, (310) 379-7139*

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## Introduction to Computer Applications Using BASIC

Practical uses for programming in BASIC. By Jones. \$30.00  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## Learn Amiga BASIC All By Yourself, Volume 1

Self-tutoring BASIC programming course. Complete explanations of all BASIC commands. Many programming examples to study. Many questions to answer, and many programs for you to make up. There is a test after each lesson, with all answers supplied. Written by a teacher whose courses are used in high schools, colleges, and adult education classes. Satisfaction guaranteed; for all Amigas. \$24.95  
*Brantford Educational Services, 222 Portage Road, P.O. Box 1327, Lewiston, NY 14092, (519) 756-6534*

## Learn Amiga BASIC All By Yourself, Volume 2

Extends the Volume 1 course to include the handling of sequential and random files. Also includes programming the mouse, Windows, and Menu Title bars. Complete explanations of all file handling commands. All learning is done through practical example programs. All answers are provided to the many questions including answers to the Lesson Tests. \$24.95  
*Brantford Educational Services, 222 Portage Road, P.O. Box 1327, Lewiston, NY 14092, (519) 756-6534*

### Mapping the Amiga

Alphabetized description of system calls and data structures. Full description of Amiga hardware. Complete programming examples in Assembly language, C, and Modula-2. \$22.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809*

### Programmer's Guide To The Amiga

A guided hands-on tour of the Amiga system, for AmigaDOS through Version 1.2. Includes examples and ready-to-use routines. \$24.95  
*Sybox Computer Books, 2021 Challenger Drive #100, Alameda, CA 95401, (415) 523-8233*

### Source/Object Diskette for Programmer's Guide To The Amiga

Source and object code from the Programmer's Guide To The Amiga (SYBEX). Available formats: Lattice/Manx C, TDI Modula-2, or Benchmark Modula-2. Please specify format when ordering. DATAPATH offers special pricing on book/diskette combinations. Write for details. \$15.00  
*DATAPATH, P.O. Box 1828, Los Gatos, CA 95031*

### Standard BASIC Programming with True BASIC

By Catlin. \$30.00  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### Structured BASIC Programming

By Kemeny and Kurtz. \$33.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### Structured Programming with True BASIC

By Goldstein, Moore, and Welcher. \$30.00  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### The True BASIC Primer

General programming textbook by William S. Davis. \$21.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### True BASIC—A Complete Manual

Programming manual by Simpson. \$14.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### ♦ Visionary Programmer's Handbook

John Olsen, renowned adventure game enthusiast, passes along his many tips and strategies for creating adventure styles with Aegis Visionary. He begins with organizational suggestions for the beginning programmer as well as advanced programming routines for the seasoned hacker. Includes disk with source code for a sample game that can be adapted for customized games. Requires Workbench 1.3 or higher, Kickstart 1.2 or higher, one disk drive, 512K RAM. \$29.95  
*Oxxi, Inc., P.O. Box 90309, Long Beach, CA 90809-0309, (310) 427-1227*

## ♦ ♦ ♦ BOOK/TECHNICAL ♦ ♦ ♦

### 1988 Amiga Developers Conference Notes

A 400+ page manual and disk created for 1988 Amiga Developers Conference. Topics covered include: unique Amiga techniques, tips and tricks for programming in C, IFF, autoboot and Kickstart V1.3, V1.3 printer device and printer drivers, Amiga audio and sound, overscan, hi-resolution fonts, programming for 16-bit Amiga, A500 expansion cards, and more. \$75.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### A500/A2000 Technical Reference Manual

A 275-page reference manual that describes the technical features of the A500 and A2000, as well as those features that differ from the A1000. Includes: system block diagrams, Amiga expansion, designing hardware for the Amiga expansion architecture, driver documentation, software for Amiga expansion, PC Bridgeboard and description of the PC/XT emulator for the Amiga 2000, BIOS entry points, custom chips, miscellaneous hardware information, clock/calendar registers, power budgets, A2000 PAL equations, and schematics. \$40.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga 1000 Schematics and Expansion Specifications

Spiral-bound manual contains full A1000 schematics, timing diagrams, PAL equations, and documentation for the auto-configuration process. \$20.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Amiga Diagnostician

Reference aid #7. Save money and downtime by promptly locating faulty chips on all A500 Amiga computers. The Amiga Diagnostician is a newly-released booklet and laminated chart allows the novice a simple approach in finding faulty chips in minutes through a sophisticated cross reference grid utilized successfully in the COMMODORE DIAGNOSTICIAN SERIES (over 20,000 sold). Amiga Diagnostician also contains sections on Basic Amiga theory, function of each chip including the new enhanced chip set, schematics block displays/layouts, input/output connector drawings, installation of upgrade chips. \$14.95  
*Grapevine Group, The, 3 Chestnut St., Suffern, NY 10901, (800) 292-7445*

### Amiga Printers Inside & Out

Easy to follow examples and simple explanations for you to better utilize your printer quickly and more effectively. 400pp. ISBN 1-55755-087-5. \$34.95  
*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512, (616) 698-0330*

### AmigaDOS Inside & Out Revised

AmigaDOS Inside & Out Revised covers the insides of AmigaDOS from internal design to prac-

tical applications. The book explains the Command Line Interface (CLI) in plain and simple English. \$24.95

*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512, (616) 698-0330*

### IFF Manual and Disk

Spiral-bound manual includes full IFF documentation and source listings for Amiga IFF. The IFF disk contains source code, object files, executable programs, and documentation. \$20.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Using ARExx on the Amiga

An authoritative guide to using the popular ARExx programming language on the Amiga. It's filled with tutorials, examples, programming code and an expanded appendix. It is written for new users and advanced programmers of ARExx by noted Amiga experts Chris Zamara and Nicks Sullivan. This guide includes a companion disk with ARExx examples already typed in to save time. 340 pages. \$34.95

*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512, (616) 698-0330*

## ♦ ♦ BOOKS/TUTORIALS ♦ ♦

### AMIKIT 1.3 An introduction to the Workbench and CLI

Navigate your way throughout the 1.3 Workbench and CLI. From the most basic to the most complex AmigaDOS commands, with AMIKIT 1.3 you will learn: complete usage of the 1.3 Workbench, the most useful CLI commands, how to modify and make batch files, how to use your modem to access bulletin boards and download software. The AMIKIT 1.3 includes manual and three disks, one with the latest version of Workbench 1.3 and two disks to practice the examples and with over 30 public domain programs, including: a word processor; a database; a spreadsheet; a directory utility; a disk cataloger; a communication program; a virus checker; games and more! All are fully documented. Additionally, once you become a registered AMIKIT 1.3 owner, you become eligible to receive free consultation. Requires Kickstart 1.3. \$39.95  
*International Technologies, 2302 D. Ave. Ste. 203, National City, CA 91950, (619) 477-2024*

### ● AMIKIT 2.0 An introduction to the Workbench and CLI

The Amiga just got better with the new Version 2.0, so the AMIKIT got even better. From the most basic to the most complex AmigaDOS commands. With AMIKIT 2.0 you will learn: complete usage of the new Workbench, the most useful CLI commands, how to modify and make batch files, how to use your modem to access bulletin boards and download software, and how to program in AREXX. The AMIKIT 2.0 includes manual and three disks to practice the examples and with over 30 public domain programs, including: a word processor; a database; a spreadsheet; a directory utility; a disk cataloger; a communication program; a virus checker; games and more. All of them are fully documented. Additionally, once you become a registered AMIKIT 2.0 owner, you become eligible to receive free consultation and advice. Requires Kickstart and Workbench 2.0 files. \$49.95  
*International Technologies, 2302 D. Ave. Ste. 203, National City, CA 91950, (619) 477-2024*

### Amiga Desktop Videography

A reference book for Commodore Amiga products and creative processes, including tutorial information for the Amiga enthusiast and professional. Hundreds of detailed listings and dozens of articles that will make your next Amiga production the best that it can be. Includes demo disk. \$29.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

### How To Manual

A step-by-step manual for Turbo Silver users which will guide you through specially designed examples and reveal many of the tips and techniques used by experts. Extrusions, spinning, IFF wrapping, lighting set-ups, & much more. Over a hundred pages with pictures and illustrations. \$18.95  
*Victor Osaka, 1341 Ocean Ave. #349, Santa Monica, CA 90401*



# Books & Tapes

## ♦ Mastering Amiga Beginners

If you recently purchased an Amiga computer, or have had one for some time, but feel you still need a grip on what lies behind the keyboard, this book is for you. Author Phil Smith takes you step by step through every aspect of the Amiga's use. South introduces items, from disks and disk drives to AmigaDOS, in a logical manner, and provides a solid ground to investigate areas that appeal to you. Includes free Public Domain disk. £19.95. *Bruce Smith Books, FREEPOST 242, P.O. Box 382, St. Albans AL2 3BR, England, 011-44-923-894-355*

## ♦ ♦ ♦ BOOK/VIDEO ♦ ♦ ♦

### Amiga Desktop Video Power

The Amiga Desktop Video Power book replaces Amiga Desktop Video Guide. It is one of the most thorough guides to video on the Amiga. The book has been updated and expanded to include new information about the latest advances in the desktop video market today. This includes extensive coverage of new products such as DCTV and the revolutionary Video Toaster from Newtek. It explains genlocks, digitizing, frame grabbers, hardware, software, and much more. 240 pages. \$29.95

*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512, (616) 698-0330*

### Amiga Desktop Video, 2nd Edition

A step-by-step instructional guide for both beginners and advanced artists to create their own desktop videos. A thorough description of how video and computer graphics work together. Includes important information about the new Video Toaster as well as eight pages of full color illustrations and up-to-date list of manufacturers and products. \$22.95

*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809*

### Desktop Video for Profit

Designed to show entrepreneurs how easy it is to earn money by producing and marketing 'guerilla' videos using low-cost video equipment and a home computer. This one-hour video tape provides a realistic approach to turning a video hobby into a very profitable career. The video includes sections on what types of video to produce, how to choose a video topic, how to secure profits before producing a tape, how to find people who want to buy your video productions, and how much to charge for them. Also covered are sections on setting up a low cost studio, selecting the right video equipment, getting tapes duplicated at the best price, and other secrets of the pros. Simple but effective demonstrations allow viewers to learn quickly by seeing it done. Desktop Video for Profit features Bill Myers whose desktop video productions have sold over 12,000 copies using the techniques presented in this tape. This tape is available from Group M Video for \$30. Additional information about this tape is available by calling (501) 321-1845. \$30.00

*Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901, (501) 321-1845*

### Desktop Video: A Guide to Personal and Small Business Video Production

Covers all aspects of the desktop video business, from computers to video equipment, and how to put it all together. \$14.95

*Harcourt, Brace & Jovanovich, 465 South Lincoln Drive, Troy, MO 63379, (800) 543-1918*

### The Amiga Desktop Video Workbook

A practical, complete, plain-English guide to teach you everything about video with your Amiga. From animation, staging, sound mixing, scripting to single-frame recording, plus a thorough, how-to guide to opening and running your own video production business. Also comes with a floppy disk containing video-specific programs. \$34.95

*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2819*

## ♦ VIDEO TAPES/ENTERTAINMENT ♦

### Sierra Video Catalogue

Preview Sierra's lineup of 1989-90 games in the comfort of your living room from a VHS cassette showing Sierra's best-selling line of entertainment software. With Sierra Video Catalogue, you can watch scenes from the latest Sierra games, complete with stereo soundtracks as played on a Roland MT-32 sound module. \$4.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## ♦ VIDEOTAPES/TUTORIALS ♦

### Advanced Techniques with DeluxePaint IV

The companion to The DeluxePaint Video Guide, this video demonstrates various tips and tricks for combining DPaint IV's different tools to achieve spectacular effects with professional results. The viewer is shown how to create effects such as 3D text, drop shadows, textures, color cycle animation, professional tiling, and much more. Amiga artists can create high-quality graphic and animations quickly and easily after viewing the video. \$29.95

*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### Amiga Encyclopedia On A Video

If you must know about the latest and best software developments, here they are presented on a convenient full-color and sound VHS video. How-to demos of art, music, games, desktop publishing, education, and business software. Fully Amiga-produced. \$39.95

*Video Advantage, Dept. BG, 1229 Poplar Avenue, Mountainside, NJ 07092, (908) 233-8659*

### Amiga Graphics

This 54-minute video explores the advantages and disadvantages of the most popular paint programs. It illustrates interlace functions and instances when HAM should be used. It includes three intensive sessions on fonts, clip art, and digitizing. \$29.95

*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

### Amiga Instruction Course

Basic, beginner's guide to set-up and start-up of Amigas. Workbench and CLI instruction on a 90-minute VHS, Beta, or PAL. \$29.95

*Clackamas Computers, 16140 SE. 82nd Dr., Clackamas, OR 97015, (503) 650-0379*

### ♦ Amiga Music for Video, Volume One

This 50+-minute videotape focuses on the use of the Amiga's internal voices in music and sound composition. Veteran electronic musician/producer Jaxon Crow gives step-by-step instructions on the use of Dr. T's Music Software's M & Music Mouse and on the use of SunRize Industries' Perfect Sound 3 and Audition 4. NTSC. \$29.95

*Neon Tetra Productions, P.O. Box 876, Hot Springs National Park, AR 71902, (501) 321-1198*

### Animation 101

Animation 101 is a video cassette tutorial covering a complete course in real-time animation for video, based on the Amiga. It is for both students and professionals. It demonstrates cartoon and industrial type animation in high resolution, using basic software and relatively inexpensive hardware. The course is in two parts. Part one shows a variety of animation techniques, with a touch of humor. Part two goes into detail showing how the animations were made. Available in English, NTSC format. \$35.00

*Myriad Visual Adventures, 1219 N.W. 79th Street, Oklahoma City, OK 73114, (405) 842-0818*

### Animation Video, Volume One

This 48-minute collection of animations created by talented artists demonstrates the capabilities of Amiga animation. Each of the animations in this video is accompanied by unique musical and sound effects. \$19.95

*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## Animation Video, Volume Two

This 90-minute video offers innovative animation programs such as Sculpt-Animate 4D, LightWave 3D, Turbo Silver, Imagine, and DeluxePaint III. \$24.95

*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

### DCTV—A Guided Tour

A comprehensive, 90-minute video tutorial which teaches you everything you need to know about DCTV. Includes segments on setting up the system, using DCTV as a digitizer, a 24-bit display device and a 24-bit paintbox. Includes HAM and DCTV image comparisons and much more. Features an exclusive interview with Digital Creations engineers discussing how DCTV came about and the future of the product. \$39.95

*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

### DeluxePaint IV Video Guide

This introductory video takes the viewer on a guided tour through DeluxePaint IV. The video covers the new Menu Structure, Metamorphosis, Translucency, HAM color mode, the new Range requester, the LightTable, the Animation Control Panel, the advanced Palette Mixer, and more. A variety of Quick Tips, useful to any DeluxePaint artist, are also included. \$29.95

*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### ♦ Designing and Building Your Desktop Video System

A 45-minute plunge into tomorrow's communications medium, desktop video. Geared toward the desktop video user who is knowledgeable in video but lacks a computer science background, and vice versa. This program gives a broad but comprehensive overview of the technology, as well as explaining how to integrate computer with video, allowing you to include titles, graphics and animations, and digital effects in your video productions. NTSC. \$149.00

*Video Technical Group, 7 River Bend, POB 515, Jasper, AR 72641, (501) 365-3065*

### Desktop Video, Volume I

This 84-minute video covers the latest and hottest topics, including how to select a genlock; building a desktop video system; choosing and using a video camera; creating scripts, storyboards, and titles; adding sound and special effects, editing, and more. \$29.95

*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

### ♦ Desktop Video, Volume II

This advanced tape includes comparisons of tape formats including Hi-8 and Betacam, doing animation with DeluxePaint IV, 24-bit rendering, Virtual Reality, working with Lightwave, the Video Toaster, DCTV, and much more. (90 minutes). NTSC/PAL. \$29.95

*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

### Director Tutorial Video

A step-by-step guide to using The Director. The tape takes the novice through AmigaDOS CLI commands, script editing, adding effects to slideshows, and page-flipping animation. The more experienced user will learn double buffering, effects with ANIMs, the sound module, the array, and advanced techniques. \$39.95

*Right Answers, P.O. Box 3699, Torrance, CA 90510, (213) 325-1311*

### Easy Guide to Pro Video Gold

With the Easy Guide to Pro Video Gold video, you can master this program in less than one hour. This tutorial video covers it all—fonts, shadows, edges, transitions, quick backgrounds, color combinations, palette modification, genlocking, anti-aliasing...all the things you need to know to put together knock-out graphics. Included with the tape is a special data disk packed with over 250 examples of Pro Video Gold graphic screens which, with minimal modification, can be used to create a demo video for your potential customers showing what kind of graphics you can create! Covers all versions of the Pro Video series, in-

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cluding the newest release, Pro Video Post. \$30.00  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901, (501) 321-1845*

## Everything You Need To Know About PRO VIDEO GOLD

This detailed tutorial video will help you get started on mastering Pro Video Plus and Pro Video Gold. The video is for the beginner to easily conquer the basics for variable page layouts. You will learn how to manipulate color palettes, select variable fonts, italics, and develop a complete screen of text. This video will also give you the professional tricks that can save you hours of time, and save on hours of reading the always confusing instruction manual. With this video you can easily master the skills necessary to triumph to amazingly clear and graphic texts. Available in any format-1/2-inch, 3/4-inch, NTSC, PAL, SECAM. Vol. I or II: \$39.95, both Vols. I and II: \$59.95 \$59.95  
*Video Bookshelf, 2405 E. Mt. Hope, Lansing, MI 48910, (517) 485-6600*

## Gold Disk's All-In-One

Gold Disk's All-In-One, a complete package of six programs and a video tape tutorial designed to make setting up and using the Amiga 500 easy and productive. Word processing, painting, music creation, and three games make Gold Disk's All-In-One everything a new Amiga owner needs to get the most out of the Amiga. Will run on any Commodore Amiga 500, 1000, 2000, 2500, or 3000 with at least 512K of RAM. \$79.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## ◆ History of the Amiga

Meet the people, view the products, and visit the places that have helped make the Amiga and the Amiga user unique in the history of computing. NTSC, foreign distribution. \$19.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## Hot Rod Your Amiga

Hot Rod Your Amiga provides advice on how to achieve maximum power with your machine, whether you own a series 500, 2000, or 3000 Amiga. It teaches you how to expand memory internally and externally. It provides in-depth information on selecting and installing hard drives, memory boards, accelerators and more. \$24.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## ◆ How to Animate I

The most definitive series on animation from the editors of AmigaWorld. Volume I will cover the various types of animation available and their applications. Will include examples using DeluxePaint IV and the even newer Imagine 2.0 and Lightwave 2.0. (60 minutes.) NTSC, foreign distribution. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## How to Set Up a Low Budget Video Studio

This one-hour video takes you from the ground level of video equipment acquisition to a fully functional video studio. It tells what you do need and most importantly, what you don't need. Covers cameras, editing equipment, computer graphics, software, mixers and lighting. \$30.00  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901, (501) 321-1845*

## Imagine-A Guided Tour

A 90-minute video tutorial. This guided tour of Imagine will teach you everything you need to know to unleash your imagination with Imagine. This thorough tutorial complements the program's manual and will help you master its possibilities. VHS format. \$39.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (310) 542-2226*

## ◆◆ Introduction to Workbench 2.0

This 2-hour educational videotape will familiarize Amiga owners with Workbench 2.0. Topics covered include Workbench 2.0 menu bar, preferences, Workbench 2.0 tools, demos, and other new 2.0 features, some not covered in the Commodore manual. Includes disk of public domain

utility software and background music by accomplished acoustic musician Richard LaForge. NTSC compatible. Requires AmigaDOS 2.0. \$25. California residents: \$5 for tax, shipping, and handling. Other states: \$3 shipping and handling. \$25.00  
*RADICALifornia Video Productions, 10100 McVine Ave., Sunland, CA 91040-3359, (818) 951-3730*

## LightWave 3-D Ala Toaster Tape 1

AVP video tape series on LightWave 3-D, the 3-D rendering package included with NewTek's Video Toaster. Tape #1 covers how to use Bump Mapping correctly to produce effects like water, liquid chrome, and concrete. The tape explains procedural texture mapping, the production of surfaces like gold and copper, as well as reflection and image mapping. Tape #1 also gives you a quick tour of LightWave 3-D and explains techniques and requirements to make it render faster. How to correctly set-up your composite color monitor with color bars is explained, and an object examples disk is provided. \$49.95  
*AVP, 2418 S. Chicago, S. Milwaukee, WI 53172, (414) 762-5261*

## LightWave 3-D Ala Toaster Tape 2

Tape #2 covers topics like metamorphosis, object dissolving, envelopes, fog, lighting techniques, shadows, and much more. An object examples disk is included. \$49.95  
*AVP, 2418 S. Chicago, S. Milwaukee, WI 53172, (414) 762-5261*

## Me and My Amiga: An Introduction

Designed for the first-time user, it is an easy step-by-step guide to setting up and using your system. From assembling your equipment, to using and exploring the many exciting features of the workbench to finally playing the games and using the time-saving utilities included in the two-disk set, running 60 minutes. First in the Amiga Professional Tutorial series. Requires 1MB RAM, second disk drive. \$39.95  
*CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 265-3995*

## NewTek's Video Toaster

NewTek's Video Toaster videotape provides in-depth, comprehensive information on the Toaster's wide array of features and amazing capabilities. Topics covered include installing the Toaster in the Amiga 2000; adding and testing other essential equipment; digital video effects including flips, tumblers, mirrors, spins, splits, and titles. \$24.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## Professional Techniques for DPaint III

The 60-minute tutorial guides the viewer through the popular graphic program, DeluxePaint III, by Electronic Arts. New users, as well as seasoned professionals, are shown step by step how to accomplish cel and brush animation, text manipulation, the 'Move' menu, combining effects, 3-D perspective, short cuts and other effects to achieve spectacular results. Features DeluxePaint creator Dan Siva and Amiga graphic artist Jeff Bruette. \$29.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## TeleGraphics International Tape I: Video Graphics Techniques

The first tape in a three-tape instructional series produced totally with Amiga graphics, animations, titling, and effects by Amiga software and SuperGen Genlock. Provides an excellent example of what can be done with the Amiga and video. Many examples of graphics, titling, animation, special effects, and wipes. Covers planning graphics for video applications, uses of training animations, diagrams, graphs, and charts. Sold individually, or as part of a three-tape set for \$79.95. \$29.95  
*TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

## TeleGraphics International Tape II: Color Cycling Animation

Instructional VHS videotape, approx. 45 minutes. Basics of color cycling animation using DeluxePaint. Begins with explanation of palette

and simplest cycling techniques, advances to more sophisticated techniques, and complex animations. Includes Amiga Art Disk full of animations used in the tape plus other stock animated backgrounds to load and use yourself. The second tape in a three-tape series. Available individually, or as part of a three-tape set for \$79.95. \$29.95  
*TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

## TeleGraphics International Tape III: Digitizing For Effect

Instructional VHS videotape, approx. 50 minutes. Covers hook-up and set-up of Amiga and NewTek's Digi-View Digitizer and Digi-Droid. Explains how digitizing works, shows examples of cameras, various equipment hook-ups plus tips on lighting, how to select good images, and applying digitized images to video production. Direct on-screen comparison of live image versus digitized HAM image and HAM versus IFF. Available individually, or as part of a three-tape set for \$79.95. \$29.95  
*TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

## TeleGraphics International Tape IV: Amiga Hard Drives: The Complete Guide

Covers available options when selecting and installing hard drives, including third-party, and Commodore controllers. Explains partitioning, formatting, and bridgeboard hard drive options too. Helps organize and customize your hard drive for your special needs and also gives tips and techniques. This tape comes with a free utility/set-up 3.5-inch disk. \$39.95  
*TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

## ◆ The Amiga Primer

This video provides step-by-step instructions covering the many features of the Amiga. Gain the full benefits that the Amiga has to offer with this simple, quick, and thorough 90-minute video. Includes information on all Amiga models, System 2.0, and AmigaVision. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## The Musical Amiga

The Musical Amiga teaches the Amiga user how to create a simple tune or more complex musical works. This 60-minute video contains intensive sessions on MIDI systems, including sequencing, editing and synthesizing. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## ◆ Toaster Crustacean Videos

Toaster Crustaceans offers a number of videotapes from the video library of the Upper Crust Los Angeles Video Toaster User Group. Each video is VHS in format and is two hours long. Topics include tips and demos, equipment explorations, and examinations of the latest applications. Volume 5, the latest video, includes an overview of Toaster System 2.0. \$34.95 each. Sampler tapes, which include highlights from previous volumes before number 5, are available for \$19.95. \$34.95  
*Toaster Crustaceans, 1730 Arcane St, Simi Valley, CA 93065*

## ◆ Toaster Power 2.0 Instructional Videotape

A comprehensive instructional videotape series providing complete insight into the operation and capabilities of the Newtek Video Toaster 2.0 system. Hosted by Toaster expert Lee Stranahan. \$49.95  
*RAVE Video, 611 N. Orchard St., Burbank, CA 91506, (818) 841-8277*

## Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer on how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$39.95  
*TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028*

## ♦ ♦ ♦ VIDEOTAPES/VIDEO ♦ ♦ ♦

### Amiga Artists on the Air

A series of video programs showcasing Amiga Artists and their work. Each program is approximately 30 minutes in length and includes interviews with the artists or biographical materials about them, along with many examples of their work. Information is given about how the art was conceived and developed. Amiga and video tools are often explained and demonstrated. Featured artists include Isaac and Raphael Abrams, Robert Anderson, Ilene Astrahan, Peter Babula, David Brothers, Tobie Carey, Regina-Bartley Cross, Michael Fisher, the Grants, Paul Gurcules, Keith Loving, Aaron Marks, Matt McElligot, Vincent Morano Jr., Florence Ormezzano, Ellen Povil, Raymond St. Denis, Kevin Smith, Mark Smith. NTSC compatible. Cable rights available. Each volume is sold separately. Artist submissions welcomed. \$15.00

Willow Mixed Media, Inc., P.O. Box 194, Lennox Ave., Glenford, NY 12433, (914) 657-2914

### Amiga Video Backgrounds 1

Now you can have broadcast quality video backgrounds. We have put together a collection of quality video designs to be used with any Amiga program. Video Toaster, Frame Store, genlock overlay, or texture mapping. You will be presented with a tape of graphic designs, stills, textures, scenes, borders, etc. Remember, time is money and we save you both! Available on videotape or Amiga disk format. Call or write for more information or our sample tape. \$39.95  
Action Graphics, 4725 Dorsey Hall Dr., Ellicott City, MD 21043, (410) 992-0749

### BACKGROUNDER: The Videotape

Broadcast-quality background on videotape to be used with Amiga to overlay graphics and titling. From weddings to hi-tech industrial applications. Every background has its own distinctive music. Available tape format: 8mm video/VHS/S-VHS/3/4 U-matic and U-matic SP. Price unavailable.

Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066, (215) 664-4955 serv

### Desktop Video and the Amiga Computer

This video tape is designed to introduce viewers to the tools and technology of desktop video. The two-hour tape provides viewers with useful information on setting up and using a desktop video system to create their own professional video productions. It includes sections on selecting computer hardware, software, interfacing with a genlock, and setting up a low-cost studio. Video reviews and examples of video output from popular desktop video software programs including character generator, titling, paint, animation, digitizing, and 3-D software is included. \$30.00

Group M Productions, 321 Ouachita Ave., Hot Springs, AR 71901, (501) 321-1845

### Helpful Lightwave Hints

Instructional video provides help for Lightwave 3-D. Two-part tape features a behind the scenes look at the creation of a TV commercial, and a 60-minute reference guide to surfaces. Includes disk of objects and fonts. Requires VHS VCR. \$39.95  
3 Leaf Productions, 500 Lake Marina Drive, Suite #214, New Orleans, LA 70124, (504) 288-5644 voice

### ♦ Industrial Video Graphics

Reveals a metropolis state of mind with mute images that are mechanical and angular in design. Incorporates continuously changing computer graphics and animation to enhance your music. Running time is 60 minutes. \$16 plus \$4.50 shipping and handling. \$16.00  
Bluesand Video Productions, P.O. Box 93581, Cleveland, OH 44101-5581, (216) 881-6440

### NewTek's VideoToaster: The Ultimate Guide: Volume One

A detailed step-by-step guide to setting up and using the VideoToaster. Shows how to install in the Amiga and load software. Provides clear, concise explanation of basic video theory. Explains different system configurations. Extensive tutorial on using the switcher, digital video effects, framestore, luminance key, chrome f/x, character generator, and hints and tips. Includes

disk of Toaster fonts and CG keyboard overlay. 2000HD, 7MB RAM. Accelerator card recommended. \$49.95  
CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 265-3995

### ♦ NewTek's VideoToaster: The Ultimate Guide: Volume Two

Learn to use and explore the creative capabilities of ToasterPaint and Lightwave 3D. Create special-effect screens, specialized text and backgrounds. Produce stunning high-end animations. Integrate other software, e.g., DeluxePaint, TV-Text Pro, etc. Complete explanation of setup and use of BCD Animation Controller. Includes ToasterPaint keyboard overlays and disk of 3-D files. Running time 110 minutes VHS. Companion piece to Volume One. NTSC. Requires 2000HD, 5MB RAM. Recommended 9MB RAM and accelerator. \$49.95

CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 265-3995

### ♦ Pop Video

A wild and colorful combination of abstract images that reflect pop music. Incorporate continuously changing computer graphics and animation to enhance your music. Running time is 60 minutes. \$16 plus \$4.50 shipping and handling. \$16.00

Bluesand Video Productions, P.O. Box 93581, Cleveland, OH 44101-5581, (216) 881-6440

### ♦ Stock Footage Library Tape Vol. I

Contains 60 minutes of gorgeous, licensed stock footage scenes for use in your own productions. Vol. I of the series contains samples from the following categories. Scenic: Mountains, waterfalls, rivers, creeks, sunsets, etc., in all four seasons. Outdoor Activities: Fishing, hiking, boating, waterskiing, canoeing, camping, much more. All footage acquired with three-tube production cameras, 500 lines horizontal resolution (min.) on 3/4-inch U-matic tape. When you buy the tape you receive validated licensing agreement allowing you to legally use any footage in any way for any length of time, providing the footage is not resold as stock. License extended to original purchaser only, not transferable. NTSC. SVHS Hi8, VHS 3/4-inch U-matic/U-maticSP, MII Betacam. \$249 (add \$50 for Betacam or MII). \$249.00  
Video Technical Group, 7 River Bend, POB 515, Jasper, AR 72641, (501) 365-3065

### The Ultimate Amiga Guide to Video Production: Volume One

A detailed step-by-step guide on setting up your own video production studio using camcorder, VCR, and Amiga to do titling, create video backgrounds, animations and editing features. An extensive tutorial of DeluxePaint III, Elan Performer and TV Show includes a two-disk set of 19 video backgrounds, animations and more, running 95 minutes in length. From the Amiga Professional Tutorial series. Requires 1MB, 500 and external disk drive. \$49.95  
CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 265-3995

### The Ultimate Guide to Video Production: Volume Two

A detailed step-by-step guide to producing professional level titling, character generation and effects on the Amiga. Featuring the s-VHS format. Shows how to install Digital Creations 2000S S-VHS. Genlock provides clear, concise explanation of video basics. Extensive tutorials on TX-Text Professional and TV-Show, Broadcast Titler and Pro-Video Post. Includes a two-disk set of 14 video backgrounds, animation and more, running 120 minutes, from the Amiga Professional Tutorial series. \$49.95  
CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 265-3995

### Video Animation

Two-hour video with two diskettes for DeluxePaint III. Geared toward videographers. Includes disks. \$39.98  
InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225

### Video Visions Titler/Wedding Set: The Video

Contains all the backdrops/objects that comprise the Titler & Wedding Set on disk. This videotape version is for those who do not have Amigas, but wish to utilize graphics in their video produc-

# Books & Tapes

tions. Contains: titler set, wedding set, videographer, titler, advertiser, broadcaster, and videomaker volumes on tape. Videomaker scenes have been added. \$49.95  
CeV Design, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## ♦ ♦ ♦ NEWSLETTERS ♦ ♦ ♦

### ♦ AVID, The Amiga-Video Journal

AVID focuses on all aspects of the Amiga personal computer in a video production environment. Products covered on a regular basis include: Video Toaster, Imagine, DeluxePaint, DCTV, and other video-related Amiga hardware and software products. Strong emphasis on project-oriented tutorials for Amiga videographers. Subscription rate is \$36 for 12 issues.

AVID, The Amiga-Video Journal, 415-112 N. Mary Avenue, #207, Sunnyvale, CA 94086, (408) 252-0508

### ♦ Desktop Video TECHNICAL Report

A technically oriented quarterly publication devoted exclusively to the exploration of desktop video technology. Every three months, this timely newsletter arrives with the latest report on what's happening in the world of desktop video production. Chock full of helpful tips, useful suggestions, and how-to information. You'll find articles on computer-related interests such as animation and titling, even detailed plans for complete desktop video systems. Savvy reviews on new hardware, software, and products for audio and video appear in each issue. Also, in-depth interviews with industry professionals who work on the cutting edge of this exciting technology every day. \$139 per year. \$139.00  
Video Technical Group, 7 River Bend, POB 515, Jasper, AR 72641, (501) 365-3065

### ♦ Radical Type

Radical Type is the only magazine dedicated to Amiga and Atari publishing. Each monthly issue has tutorials and hints for PageStream and Professional Page beginners and experts. Radical Type has reviews of fonts, clip art, books, and other DTP related products, plus the latest Amiga desktop publishing news. Whether you use PageStream, ProPage, or Saxon, you'll find help in Radical Type. Receive 12 monthly issues for \$29.95. Canada: \$35 U.S. funds; International: \$40 U.S. funds. \$29.95

♦ Koen Design, P.O. Box 107, Lazo, B.C., Canada V0R 2K0

### ♦ Software of the Month Club

Provides both a product and a service to Amiga users worldwide. Members of the Clip Art Club receive 45 original images on disk (and newsletter) every two weeks. Fonts Club members get several different brand-new typefaces. Each clip art volume covers a wide variety of subjects, from sports and recreation to travel and leisure, cartoons, financial and business images. As a member, you can speak directly with the artists to suggest clip art or font ideas for upcoming volumes. Membership costs \$24.95 for one year. Regular shipments cost \$14.95 for three disks, including first class shipping and handling. Foreign orders add \$5. Credit cards only, please. Software of the Month Club, 2180 Las Palmas Drive, Carlsbad, CA 92009, (619) 931-8111

### Video Toaster User Newsmagazine

(Formerly BreadBox) Video Toaster User focuses on Toaster-related hardware and software. Toaster user profiles, and in-depth tutorials on ToasterPaint, ToasterCG, Modeler, LightWave 3D, and ChromaFX. Video Toaster User includes helpful Video Toaster tips, tricks, and techniques. Subscription rate is \$36 for 12 issues. Video Toaster User, 21611 Stevens Creek Blvd., Cupertino, CA 95014, (408) 252-0508

### X-PRESS

Monthly newsletter geared to the professional using X-CAD Pro and XCAD 3D. Packed full of useful information including reviews, and comparisons of AmigaCAD products. Provides tips and techniques for using XCAD and associated products. X-PRESS will help you 'test the envelope' of X-CAD on the Amiga. One-year subscription: \$49. Back issues are available for \$5.95 each. An index is available upon request. \$4.95  
GrafX Computing, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468

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# Freely Redistributable Software

**'881 Math Part I:** Programming the 68881 math coprocessor chip in C. Author: Read Predmore AC2  
**'881 Math Part II:** Part II of programming the 68881 math coprocessor chip using a fractal sample. By: Read Predmore AC3

**'Liner** A shareware outliner whose function is to create outlines for notes or export to other programs. 'Liner can save an outline as ASCII text and is clipboard compatible. This version utilizes a number of AmigaOS 2.0 features and thus requires 2.0. Support for the new ECS Denise display modes is also included. Version 2.11, an upgrade to version 2.00 on disk 394. Includes source in C. Author: Dave Schreiber FF451, FF394, FF285

**.Blanker2** A screen blanking program that turns the screen black after 90 seconds of keyboard and mouse inactivity. Implemented as a very tiny event handler to the input handler event stream. Version 1.27.88, includes source. Author: Joe Hitchens FF146

**.Diff** A program that uses the same algorithm as the UNIX diff program and also produces context diffs, suitable for use with patch. This is the same version that was distributed on FF138, but now includes the missing files (including source code). Author: Unknown (Decus C diff) FF142

**.Keymap\_Test** A program to test the keymapping routines and find possible bugs. Useful as an example of keymapping. Author: Pushpa Kumar FF19

**.Rim** RIM-5 (Relational Information Manager) is a full relational DBMS that is suitable for VERY large databases using B-Tree data storage. It has a crude (by today's standards) user interface, but since full source code is provided, this can be fixed. Versions of RIM run on a wide variety of systems, small and large, and produce compatible databases. Also includes a built in HELP database and a programming language. Full Fortran source code and documentation included. Author: Various, Amiga port by Glenn Everhart FF143

**1D\_Cells** A program that simulates a one-dimensional cellular automata. Author: Russell Wallace AC5

**2View** 2View is a ILBM picture viewer for use under Workbench 2.0. It supports all standard Amiga graphics modes, AREXX, and both the CLI and Workbench. A list of files to display can be used, or each filename can be given individually. Each picture that is displayed can be shown for a specified amount of time, or until the user clicks on the left mouse button. Version 1.11, includes source. Author: Dave Schreiber FF546

**3D Breakout** 3D glasses, create breakout in a new dimension. AM15

**3D-Arm** The first stage of a larger project to study goal directed animation of articulated objects (objects which can move with various degrees of freedom but are constrained by attachment to other links within the object). This program demonstrates goal directed animation with a simulated 3-dimensional robot arm. Includes source. Author: Bob Laughlin FF47

**3DCube** Modula-2 demo of a rotating cube. AM8

**3DPlot** A 3D function plotting program that does hidden line, solid, or contour plots of equations of the form  $Z=F(X,Y)$ . You can scale the plot, set plot limits, change rotation, etc. Can save and load the plots themselves, as well as the data. Version 2.0, includes source. Author: Randy Finch FF440

**3DSolids** 3D solids modeling prog. w/sample data files. ABASIC program AM1

**3dsolids** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**3dstars** 3D version of Leo's 'stars' program (also on this disk). Author: Leo Schwab FF33

**3DTicTacToe** A three-dimensional four-in-a-row version of TicTacToe, human against computer. Version 1.2, binary only. Author: Ron Charlton FF366

**4D** Two programs for visualizing four-dimensional objects. The Tesseract program displays the three-dimensional projects of a hyper-cube (tesseract), a hyper-octahedron or a hyper-tetrahedron. These can be rotated in three and four dimensions. The 4D Navigator program moves you through the three-dimensional surface of a four-dimensional sphere. Version 1.01 for both. Binary only. Source available from author. Author: Jerry D. Hedden FF541

**6bitcolor** Extra-half-bright chip gfx demo, C program in C source code and executable. AM3

**8ColorWB** Modifies the Workbench so three bitplanes are used, icons can have eight colors, instead of four, eight-color icons are included. Public domain program "zapicon" or "brush2icon" converts eight-color IFF brushes to icons, to use Deluxe Paint to make icons for this new Workbench. AM25

**24BitTools** Three conversion programs to manipulate 24-bit images. IFF24to8 converts 24-bit

IFF images to 8-bit IFF images Pro2BMP converts 24-bit 3D-Professional format images into 24-bit '.BMP' files that Microsoft Windows can understand and Pro2IFF converts 24-bit 3D-Professional format images into the more useful 24-bit IFF format.

Includes source. Author: Dallas Hodgson FF553

**60or80** A small utility to toggle the 60/80 column text modes without having to go through preferences. Works from either the CLI or the Workbench. Includes source. By: Mark Schretlen FF157

**64 Colors:** Using extra-half-brite mode in AmigaBASIC.

Author: Bryan Catley AC6

**1812Overture** The 16 minute classical feature complete with Cannon! AM23

**68020** Text describes 68020 speedup board from CSA. AM1

**A Shared Library for Matrix Manipulations:** Creating a shared library can be easy. Author: Randy Finch. AC12

**A-Genie** Demo version of a shareware genealogy database program. The PAL version has been distributed in Australia and England for some time. This NTSC demo version is complete except that it is limited to 600 persons/300 marriages, does not support a text-editor to add free-form reports to records and does not show Digi-view pictures from within the program. The color requester is not included as this entails adding a library file to libs: and is not really needed. A-Genie needs 1Mb of ram, and a printer/2nd disk drive are a big help. Version 3.10, binary only. Author: Mike Simpson. FF425

**A-Render** Version.3 a Ray-Tracing Construction Set for the Amiga Computer by Brian Reed ED FF99

**A68k** A 68000 assembler originally written in Modula-2 in 1985 and converted to C by Charlie Gibb in 1987. Has been converted to accept metacomco-compatible assembler source code and to generate Amiga objects. This is version 2.71, an update to version 2.61 on disk 314. Include source. Author: Brian Anderson; C translation and Amiga work done by Charlie Gibb FF521, FF314, FF186, FF110

**A68Kex** Twelve examples demonstrating the use of Charlie Gibbs A68K assembler. Over a quarter megabyte of assembly source code. Author: E. Lenz FF431

**ABdemos** AmigaBASIC demos. NewConvertFD creates .bmaps from fd files. BitPlanes finds addresses of and writes to bit-planes of the screen's bitmap. About Bmaps is a tutorial on creation and use of bmaps. LoadILBM loads and displays IFF ILBM pics. LoadACBM loads and displays ACBM pics. ScreenPrint creates a demo screen and dumps it to a graphic printer. Author: Carolyn Schepner, Commodore-Amiga FF27

**ABridge** An interim solution to Anim-5 incompatibility problems. Identifies the origin of an Anim-5 file and modifies it to facilitate easy exchange between AniMagic, Videospace, Animation Station, DPaint III, Animation: Editor(v1.11), The Director, SA4D, Movie2.0, Photon Paint 2.0 and Cel Animator. Fully intuitionalized interface, full AREXX support including a Find AREXX option if you start AREXX after running ABridge. This is version 1.0, shareware, binary only. Author: Ron Tarrant, Mythra-mations Animation and Software FF359

**Accent** A universal accented character converter for Amiga, IBM-PC, Macintosh, and C64 files written in most West European languages (Danish, Finnish, French, German, Italian, Icelandic, Norwegian, Spanish, Swedish, and more. Works with either ASCII or Word Perfect files. This is a major update to version 1.5 on disk 454 (where it was called Vortex). New features include a graphical user interface, simple file reader, and copy option. Binary only. Author: Michel Laliberte FF535

**Access** A 16 color terminal program based on Comm version 1.34 Includes new macro window, custom gadgets, colorized menus, etc. Version Beta 0.18, binary only. Author: Keith Young (based on comm by D.J. James) FF98

**Accordion** Demo version of a solitaire type card game. The object of the game is to condense all the cards into one pile. The cards are dealt face up from left to right, one at a time. Piles are built by moving a card or pile from the left onto a card or pile to the right. V 1.0.1, binary only. Author: Steve Francis FF260

**acoustic guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Acp** A copy program with file name expansion and argument interpretation like the UNIX cp. Author: Fred Cassirer FF36

**Ada** An Ada Syntax checker for the Amiga. Includes lex and yacc source. Author: Herman Fischer; updates by

William Loftus FF154

**Adapt** CLI utility that converts special German characters in files imported from MS-DOS systems into the right Amiga codes. Can easily be changed to work with other languages. Version 2.2, includes source. Author: Lars Eggert FF378

**Add** Lets you create keyboard shortcuts for selection of menu items in programs where the author did not make provisions for such shortcuts, or chose ones that disagree with you. Also includes 'until' which waits for a specific named window to be created. Shareware, includes source. Author: John Russell FF73

**addbook** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**ADDCR V1.00** Utility to add CR's before LF's in files FF168 & 169

**AddKickMem** Adds the KickStart memory to your free memory on an Amiga 1000 with Kickstart in ROM. FF105

**addmem** Executable version for use with mem expansion article in AC v2.1. AM17

**addmem.c** Add external memory to the system. C program. AM4

**AddMenu** A program to add infinite number of menus to the Tools menu on Workbench V2.0. Uses the correct Workbench library calls and allows updating from CLI or from within the menu itself meaning infinite number of functions. This is version 1.56 an update to version 1.54 on disk 553. Binary only. Author: Nic Wilson FF565, FF553, FF501

**Address** Extended address book written in AmigaBASIC. Author: Mark Hurst FF32

**AddressBook** Simple database program for addresses. ABASIC program. AM1, AM8

**Addresser** A small name, address and phone number filer that supports mail merging auto dialing (with a modem) searching and label printing. Quite handy for keeping mailing lists. This is version 1.0 binary only. Author: Jeff Kelly FF559

**ADL** This disk contains a distribution of ADL (Adventure Definition Language). ADL is a superset of an older language named DDL, by Michael Urban, Chris Kostonick, Michael Stein, Bruce Adler, and Warren Usui. ADL enhancements were made by Ross Cuniff, who submitted this material for inclusion in the Fred Fish library. The standard library files 'GeneralInfo', 'Contents', and 'Distribution', along with their associated icons, have been added to the disk. The directory 'c' has been added, along with a very nice text reader program called 'less', which is the default tool for reading all the text files for which there are icons. Included here are the sources to the ADL compiler, interpreter, and debugger. The binaries were compiled by Ross with the Lattice 3.03 compiler. Ross noted in his letter that currently ADL is a CLI environment program only, but that he hopes to offer a more Amiga'ized version in the future. Also, the stack size should be set to at least 10000 before attempting to run ADL. FF91

**Adoc** A freely redistributable help utility for the Amiga. Allows you to have permanent help on any subject you want. Features include automatic searching of the word on which you clicked English and French help files on all Intuition and Dos function calls an intelligent term request ability to use original Commodore AutoDocs files an AREXX port and more. This is version 7.04 an update from version 3.10 on disk 402. Binary only. Author: Denis GOUNELLE FF627, FF402

**Adventure** A port of the classic Adventure game originally by Will Crowther and Don Woods. Has been extended to a 550 point version. Also speaks as it prints (though I found this feature annoying). Minimum 512K recommended. Binary only. Author: David Platt, Ken Wellsch, Dave Haynie FF82

**AdvSys** An adventure writing system, as described in the May 1987 issue of Byte magazine. AdvSys is a special purpose programming language that was specifically designed to be used to write computer text adventure games. Version 1.2, binary only. Author: David Betz FF87

**AdvTemplates** A collection of PD spreadsheet templates for business and law, originally intended for Lotus 123 on IBM PC's. They have been transferred to the Amiga, loaded into Gold Disk's The Advantage, and saved as native Advantage files. Requires Advantage V1.1 or higher. Author: Amiga port by Michal Todorovic FF431

**AegisDrawDemo** Demo disk of the Aegis Draw program. This is the actual production program with only

# Freely Redistributable Software

the 'save' feature disabled and without documentation (intentionally). Very impressive program! Received directly from Aegis Development. Cc Version of the UNIX like C compiler front end program, for Manx C. Previous released version was for Lattice C. Author: Fred Fish FF29

**Aequipol** A program that renders multicolor pictures using an algorithm based on electrostatic effects. Renders in low-res, in high-res, and in two speed/quality modes. Includes both PAL and NTSC versions, English and German docs. This is version 1.15, an update to version 1.06 on disk 474. Now supports saving pictures in IFF-ILBM format and animation rendering via script files. Freeware, includes source in PCQ. Author: Juerген Matern FF517, FF474

**Aerotoons** Animations with anthropomorphed aircraft as the center of their humor. Includes Swiss Army F-16 In Combat and Stealthy Maneuver II. Author: Eric Schwartz FF413

**AFaxDemo** Demonstration version of the AmigaFax software package. Send and receive faxes with your Amiga 500/1/2/3000. Features background fax operation share one phone line for fax and data (eg UUCP/BBS/FAX) fax spooling aliases/mailling lists. Converts between fax and text IFF ILBM TeX .dvi files and command files operates from shell or WorkBench. Requires compatible FaxModem. Demo version limited to single page transmit/receive. Version 1.20. Author: David Varley C-Born Software Systems FF619

**Aftterm** Communications program utilizing IBM 3278 terminal emulation. Binary only. Author: Don Breton FF170

**AHDM** Amiga Hard Disk Menu. When placed in your startup sequence AHDM offers a sixteen page menu each page having up to ten possible actions. By double clicking on an action that action will execute any legal AmigaDOS command program or script file. This allows you to interactively select which programs you wish to start or packages to install at boot time. Version 3.00a an update to version 1.1a on disk 319. Binary only demo version that supports 5 pages of 5 actions. Author: Scott Meek FF631 FF319

**Ahost** Amiga terminal emulator featuring ANSI terminal emulation, file transfer with CompuServe's B-Protocol, Kermit, and Xmodem, user definable function keys, script language, RLE graphics and a special conference mode for use with CIS. Version 0.9. Author: Steve Wilhite & George Jones FF40

**AIB** A gadtools driven Amiga interface builder for constructing windows menus and gadtools. It is incomplete and was submitted to serve as more AmigaDOS 2.0 example code. Includes C source. Author: Doug Dyer FF623

**AIBB** Amiga Intuition Based Benchmarks is a program designed to test various aspects of CPU performance using a full intuition interface. Tests include 'WritePixel', Sieve, Sort, Savage, Dhrystone, and Matrix. Version 2.0, binary only. Author: LaMonte Koop FF439

**AirAce** A fast paced WWI biplane shoot'em up game built using Accolade's Shoot'Em Up Construction Kit. Binary only. Author: Robert Grace FF469

**AirFoil** An update to the Airfoil generator on FF 71. Generates airfoil models as well as their corresponding streamline and pressure distributions. Includes source. Authors: Russell Leighton Addendum by David Foster FF150, FF71

**alarm** Sound demonstration icon-driven part of a set on AMICUS 10. AM10

**AlarmingClock** A simple alarm clock program with a very alarming 'ring', particularly if you hook it up to your stereo and turn up the volume. Includes source. Author: Brian Neal FF229

**Alert** Gives detailed information about the meaning of various Amiga alerts given the 32-bit hex alert number. Version 1.00 includes source. Author: Stefan Zeiger FF636

**Alert** Program to create custom alert boxes and standalone programs to display them. Each alert can be up to 7 lines of up to 77 characters per line. Version 3.6, shareware, binary only. Author: Thomas Jansen FF417

**algebra** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**AlgoRhythms** An algorithmic composition program that improvises music over a MIDI interface connected to the serial port. A MIDI inter-face and synthesizer are needed. The music is simple but can be pretty. Now on its own 8 color screen with 20 voices and more scales AlgoRhythms saves its own output to standard MIDI files and can play 330 notes/sec on a 68000 at 7MHz. Does not use Amiga audio. Version 2.0 an update to version 1.0 on disk 356. Includes source and sample data files. Author: Thomas E. Janzen FF606, FF356

**Aliases** Text explains uses of the ASSIGN command. AM1

**alib** Object module librarian. Author: Mike Schwartz FF2, AM2

**Alice** This animation is Carey's entry to the 1988 Badge Killer Demo Contest. Author: Carey T. Pelto FF212

**Alint** Support files for Gimpel lint to make it useful on the Amiga Author: Thomas Althoff FF34

**AList** A directory listing program based on Dave Haynie's LD4 program, with extensions and enhancements. Includes source. Author: Ed Kivi (original by Dave Haynie) FF108

**AllocMaster** Allocmaster is a program inspired by Nick Sullivan's 'Reserve' article in Amiga Transactor, for controlling the amount of both Chip and Fast memory available to the rest of the system. It is very useful for testing applications in low-memory situations. It also has a snapshot feature to report differences in available memory before and after running an application. V.1.17, binary only. Author: John Gerlach Jr. FF221

**ALoad** A program similar to XWindow's XLoad to display the load-factor on your Amiga. Requires KickStart 2.0. This is version 1.1b includes source. Author: Alexandru-Aurel Balmosan FF564

**AltIcon** Sets a second icon image, displayed when the icon is clicked. AM8

**AM** Algorithmic music generator. Produces MIDI output via Bill Barton's midi.library. This is version 1.1. Requires OS 2.0. Includes source. Author: Michael Balzer FF566

**Amastermind** A mastermind type game written in AMOS and compiled so that it can be run from workbench. Fully mouse and menu driven. Features choice of 6 to 10 colors with 4 to 8 holes. This is version 1.1 shareware binary only. Full source available from author. Author: Andrew Kreibich. FF554

**AMC 'Amiga Message Center'** Scrolls a message from a text file across the screen on a colorful background. Similar to the 'greetings' programs developed by European Amiga enthusiasts. V1.0, binary only. By Foster Hall FF182

**AmCat** Shareware disk cataloging program. Suggested donation of \$20. Binary only. Author: Brian Conrad FF67

**amgseq1** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**AmiBack** Demo version of a new backup utility. Features include backup to any AmigaDOS compatible device (such as floppies, removable hard disks, fixed media hard disk, and tape drives), no copy protection, configuration files, complete backups, incremental backups, selective backups, file exclusion filter, setting of archive bit, etc. Demo version does not have restore, compare, or scheduler. Version 1.03, an update to version 1.0 on disk 447. Binary only. Author: MoonLighter Software FF517, FF493, FF447

**AmiBas** Some miscellaneous AmigaBASIC programs, including a 3D plot program, a kaleidoscope, a C-A logo drawing program, a file comparison utility, a string search program, etc. Includes source. Author: Peter Kittel FF71

**AmiBug** Workbench hack makes the same fly walk across the screen at random intervals. Otherwise, completely harmless. AM24

**AmicForm** Creates a phonebook containing only those areacodes and exchanges reachable through PC-Pursuit. Update to the version on disk number 157. Works with the new Finalist BBS format. Version 1.4, Binary only. Author: John Motsinger FF178, FF157

**AmiCheck** An easy to use, intuitive, friendly checkbook program. Allows you to enter your checks in a very natural style, giving you a running balance as you do so. Options include reconciling your checkbook, starting new registers with outstanding checks only, printing all, cleared, outstanding, or selected entries, and more. Version 2.0, shareware, binary only, requires AmigaDOS 2.0. Author: Jeff Hoag FF490

**AmiCron** A simple UNIX 'cron' type program, which is a background task that uses a disk-resident table to automatically run certain tasks on a regular basis, at specific times. An enhanced and debugged version of AmiCron 2.3 from FF113. Includes source. Author: Steve Sampson, Rich Schaeffer, Christian Balzer FF139, FF113

**AmicTerm** A new terminal/communications program based on Dan James' 'comm' program, but greatly enhanced. Includes a script language, auto redialing, choice of display beep or audible beep, enhanced file requester, and more. Version .50 (beta), binary only. Author: David Salas and Albert Kirk FF82

**AmiDock** AmiDock is an Amiga version of the NeXT's Dock facility. It will open up a small window on your WorkBench full of little IFF brushes. Each brush represents an application, like an ICON but it's a brush. Click on the brush and your application will start. This is version 1.2.4. Shareware, binary only. Author: Gary Knight FF518, FF474, FF459

**Amiga Developer's IFF disk** This is a copy of the Amiga Developer's IFF disk, received directly from Commodore-Amiga sources, with permission to place in the library and redistribute. It is an update to FF16, and is unchanged except the volume name has been changed to AmigaLibDisk64.Enjoy-Fred. FF64, FF16

**Amiga Flight Simulator II/AMICUS Scenarios** Disk 16 contains several files of scenarios for Amiga Flight Simulator II. By putting one of these seven files on a blank disk, and inserting it in the drive after performing a special command. In this game, a number of interesting locations are preset into the Flight Simulator program. For example, one scenario places your plane on Alcatraz, while another puts you in Central Park. AM16

**Amiga Kermit** V4D(060) port of the UNIX C-Kermit. AM17

**Amiga Turtle Graphics:** Computer graphics and programming with a LOGO-like graphics system. Author: Dylan MnNamee AC10

**amiga-copy** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**amiga3d** Shows a rotating 3 dimensional solid 'Amiga sign'. No source available, executable only (downloaded from a Denver BBS). Author: Barry (bart) Whitebook of C-A FF12, FF14

**AmigaBBS** AmigaBASIC bulletin board C program. AM12

**AmigaBench** Optimized Amiga assembly versions of the Dhrystone benchmark. Includes 68000 and 68020 versions. Author: Al Aburto FF236

**amigademo** Graphical benchmark for comparing Amigas. Author: Charlie Heath (MicroSmiths) FF1

**Amigadex** A disk based 'address book'. It is intended to be used as a personal data base for the names addresses and phone numbers of all your friends and business associates. May be used to maintain a small mailing list. Includes a flexible print utility and import function. Version 1.61 shareware binary only. Author: Ray Lambert FF631

**AmigaDisplay** Yet another variation of a terminal emulator program. This is a modified AmigaTerm that can emulate a dumb terminal (interesting paradox here somewhere...), translate line termination sequences, optionally capture or discard control characters in the captured file, use audible bell, use another font, etc. Author: Don Woods (Original code by Michael Mounier) FF18

**AmigaFox** A text processor with graphics capabilities. Version 1.00, binary only. Author: Michael Wust FF315

**AmigaHost** V0.9 for Compuserve. Includes RLE graphics abilities & CIS-B file transfer protocol. AM17

**AmigaLib** A library of Workbench/ROM-Kernel interface routines for use with AbSoft Fortran. Includes source. Author: Jim Locker FF493

**AmigaLine** A series of various technical notes for Amiga programmers. Author: Byrce Nesbitt FF138

**AmigaMail** A collection of source code listings from the first eight issues of Amiga Mail Volume II published by the Commodore Amiga Technical Support group (CATS) from Sept 1990 to Nov 1991.

Lots of very useful examples. Author: Various FF567

**AmigaMonitor** Dynamically display the state of the machine, including open files, active tasks, resources, device states, interrupts, libraries, ports, etc. Display window into memory. Version 1.13, binary only (source available from author). Author suggests \$15 donation. Author: Jim Voris FF70, FF40, AM15

**AmiGantt** A project definition and management tool designed to create a simple, interactive method of outlining the task required to complete a particular project, using the GANTT chart as the input format. AmiGantt displays the project in a multi-window mode with separate windows for the GANTT chart, task information input, resource histogram display, and Pert chart display. Up to 500 tasks may be defined for any project, and a project may contain other projects as tasks. Version 3.0.0, shareware, binary only. Author: Donald Tolson FF493, FF248

**AmigaPet** Another cute screen hack. Version 2.52b, binary only, source available from author. Author: Patrick Evans FF448

**AmigaPunt** A program designed to predict the performance of horses in a race. The premise is that the factors affecting a horse's performance, and ultimately the result of the race, can be given a value. Binary only. Author: Pierre A du Parte FF272

**AmigaSpell** Very nice intuition oriented shareware spelling checker, version 2.0, binary only. Author: Mike Berro FF67, AM8

**AmigaTCP** The KA9Q Internet Software Package supports IP, ICMP, TCP, UDP, and ARP as basic services, and implements the FTP, Telnet, and SMTP protocols as applications. It runs on IBM PC and clones, the Apple Macintosh, and the Amiga. Includes source. Author: Bdale Garbee, Phil Karn, Brian Lloyd FF225

**amigaterm** Terminal emulation program with xmodem upload/download capability Author: Michael Mounier FF1

**AmigaToAtari** Source code for an Amiga to Atari ST object code format converter. Takes Amiga objects as

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# Freely Redistributable Software

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input and produces Atari objects as output. This allows the Amiga to be used as a cross development machine providing the proper libraries are available. (Currently does not work, but I don't have an ST to try it with anyway...) Author: Landon Dyer at Atari Corp. FF20

**AmigaToNTSC** AmigaToNTSC patches

graphics.library so it will think you have an NTSC Amiga. AmigaToPAL will patch it to think you have a PAL Amiga. Custom screens will open in the mode selected. Version 1.0, binary only. Author: Nico Francois FF575

**AmigaTration** A 'Concentration' like game for the Amiga, where you must locate matching tiles on a grid that can range from 4x4 (easy) to 12x12 (difficult). Version 1.0, binary only. Author: Gabe Dalbec FF453

**AmigaTrek I** Three stories which are a parody of the Star Trek series, with an Amiga flavor. Author: Mike Smithwick FF278

**AmigaTrek II** A continuation of Mike's Amiga Trek stories, which are parodies of the Star Trek series, with an Amiga flavor. Author: Mike Smithwick FF320

**amigatricks** Text, tips on CLI commands. AM5

**AmigaVenture** A program which allows you to write your own Infocom-style adventure programs in AmigaBASIC. It is a full-featured adventure parser, including direct and indirect objects, multiple object processing, adjectives, automatic ambiguity resolution, and subordinate clauses. The parser includes support for one, two, or three-word verbs, and a full set of object-manipulation primitives. Author: Mitsuharu Hadeishi FF41

**AmigaWave** This is Allen's entry to the 1988 Badge Killer Demo Contest. It is an animation with sound effects by: Allen Hastings FF211

**AmiGazer** Compute a view of the night sky using a data base of 1573 stars for any date time of day and latitude. Click on stars for info about them. This is version 3.0 an update to the version on disk 90. Now compatible with WB 2.0. Binary only. Author: Richard Horne FF619, FF90

**AmiGo** A Go board and player for the Amiga. You can play against another human, against the Amiga, or have the Amiga play itself. Version 1.0, includes source. Author: Todd Johnson, Stoney Ballard FF289

**AmiOmega** Amiga port of the Omega game. Omega is similar to hack or rogue, but is much more complex. There is a city, several towns, a wilderness, lots of dungeons, a multitude of monsters, lots of spells, magic items, etc. There are several quests to complete. All in all, it is an excellent game. This is version 1.5, a different port than version 1.0 on disk 320. Binary only. Author: Laurence Brothers, Amiga port by Klavs Pedersen FF528, FF320

**Amoeba** This clone of Space Invaders is one of the best freely redistributable games for the Amiga to date. Unlike many commercial games, it even works correctly in a multitasking environment (by not requiring you to reboot just to play a game). Highly recommended! Binary only. Author: LateNight Developments FF120

**AMon 1.1** Snoop on system resource use. Executable program and documentation. AM19

**amortize** Loan amortizations program in AmigaBASIC. AM11

**AmScsi** Preliminary documentation for a hardware project to build a SCSI controller board. The design does not support DMA or AUTOCONFIG'ing. Author: Rich Frantz FF66

**AMUC\_Demo** A really neat horizontal scrolling demo that is a 2400 x 200 pixel 32 color IFF picture composed of Digi-View snapshots of members of the AMiga Users of Calgary, superimposed on a very wide picture of the Calgary Skyline. Binary only. Author: Stephen Vermeulen and Stephen Jeans FF117

**AMXLISP** Amiga-ized version of the XLisp interpreter originally by David Betz. V2.00, includes source. By David Betz; Amiga work by Francois Rouaix FF181

**AmyLoad** A graphical monitor of CPU, blitter, and memory use. Includes two components; load.device, which monitors system parameters, and amyload, which is the user interface and display program. Includes source. Author: Jeff Kelley FF111

**AmyVsWalker** Another cute animation from Eric Schwartz. This one has Amy the Squirrel attempting to take a wrench to the a 'Walker' from 'The Empire Strikes Back'. Author: Eric Schwartz FF450

**AnalogJoystick** Software support for use of analog joysticks on the Amiga. Includes a driver, a header file for code that calls the driver, and an example program that uses the driver. Includes source. Author: Dave Kinzer FF247, AC4

**AnalyRim** An integration of the AnalytiCalc spreadsheet (disk 495) and the RIM-5 relational database management system (disk 143). Integrates a spreadsheet with hundreds of functions and 18000 by 18000 cell address space with a complete disk based DBMS and functions permitting one to move relations or selections of relations in either direction between

spreadsheet and data-base. In this way large relations can be stored on disk yet accessed as needed in the spreadsheet from whence they can be computed with or plotted. The command language of RIM is fair-ly close to SQL and documents for it are included. Also sup-ports GnuPlot to provide flexible plotting. A minimum of 2Mb of memory is recommended of which 750K must be contiguous. Because the full distribution would not fit on a single disk it has been split onto two disks with disk 593 containing the executable and needed 'keypad' command files and disk 594 containing the source and documentation. Author: Glenn C. Everhart et. al. FF593 & FF594

**AnalytiCalc** The AnalytiCalc spreadsheet, directly executable. This version features operation with only one window, many "3 dimensional" sheet addressing primitives, and optional execution from icons. Two images are furnished, one for smaller and one for large internal storage (though both have software virtual memory if needed). These images operate OK under AmigaDos 1.2, 1.3, and 2.0. They include code allowing the spreadsheet to be treated as a series of "pages" so that a cell has a row, column, and (optionally) page, and ranges can be in depth along pages as well as along rows or columns. The mapping is flexible enough so that it can be used to facilitate computing traces of matrices if desired, as well as for more conventional use. Version V25-03B, an update to version V24-01a on disk 328. Includes source. Author: Glenn Everhart FF495, FF328, FF176, FF144, FF104

**Analyze Templates** 12 templates for the spreadsheet Analyze. AM11

**Analyzer** This program allows data stored in one or more files to be examined as representations of electrical signals either graphically or numerically in the same manner as with a logic analyzer. Screendumps of the display may be produced. Compatible with NTSC and PAL machines. Tested with Kickstart 1.2 and 1.3. Version 1.00 binary only shareware. Author: Andrew Hackett FF576

**AngusCopy** A disk copy program with intuition user interface. Version 2.0, shareware, includes source in Modula II. Author: Andreas Gunser FF455

**AnimalSounds** A sample of digitized animal sounds along with a simple sound player. Authors: The Trumcor Company, Inc. Sound Player by Don Pitts FF149

**Animate** Tutorial describes animation algorithms, by John Draper. AM2

**Animation? BASICally:** Using cell animation with AmigaBASIC. Author: Mike Morrison AC7

**Animations** Some animations made with Aegis Animator. Includes a player program Author: Aegis Development FF53

**Animations** VideoScape animations of planes and boing ball. AM22

**AnimBalls** A nifty little animation program that allows you to create a collection of balls in three-space and then interactively rotate them in real time using the mouse. Includes source. Author: Jim Guilford FF157

**AnimFader** A small utility to fade screens in and out. Useful for softly fading things like animations recorded on video tape. This is version 1.0 binary only. Author: Andreas Ackermann FF607

**AnimPlayer** An animation reader and display that is the result of a consortium of animation software developers, which includes the authors of Videoscape, Sculpt3D, Silver, Forms-In-Flight, and Animator:Apprentice. Includes source. Author: Martin Hash et al. FF96

**Anims** Some more cute animations from Eric Schwartz. Includes Batman, LateNight, and Terminal. Author: Eric Schwartz FF414

**AniPtrs** Some cute animated pointers. I have adopted one of them as my permanent replacement for the boring red arrow. Binary only. Author: Bob McKain FF332

**AniPtrs2** Some more animated pointers to choose from to liven up your display environment. Binary only. Author: Bob McKain, pointer animation program by Tim Kemp FF364

**AniPtrs3** Some more animated pointers to choose from to liven up your display environment. Other pointers from Bob are on disks 332 and 364. Binary only. Author: Bob McKain, pointer animation program by Tim Kemp FF394

**ANSI** A small CLI utility to convert C source between ANSI and Kernighan and Ritchie function definition formats. Also allows generation of prototypes. No Amiga extensions and should be portable. Version 1.0 includes C source. Author: Andrew Martin SciTech Software FF598

**ansi.txt** escape sequences the CON: device responds to. AM15

**AnsiEcho** Some commands written in assembler. Includes an echo command, touch, list, cls (clear screen), and ask (wait for user input). Author: Dewi Williams FF39

**ANSIEd** Demo version of an ANSI screen file editor. It allows you to easily create and modify a screen of ANSI-style text /graphics on the Amiga. The standard ANSI color set (red, green, yellow, blue, magenta, cyan, white) and text styles (plain, boldface, underlined, italic) are provided, along with some simple editing and drawing functions. This demo version has the save features disabled. This is version 1.3.0. Binary only. Author: Greg Epley FF324, FF221

**ANSIMaster** ANSI editor that provides the full IBM font set and color capability. Very useful for the design of custom ANSI screens /graphics for telecommunications. Version 1.0, binary only. Authors: James Davis and Joe Rattz, Jr. FF378

**AnsiRead2** Bridges the gap between IBM and Amiga ANSI by displaying IBM ANSI text and graphic animations (as usually captured from bulletin boards) in their full intended colors and motion. Includes several samples. Version 0.2, binary only, shareware. Author: Glenn Kauffman FF377

**AntiBorder** CLI window frame remover. Turns your CLI window into the largest possible borderless window that can be displayed on the WorkBench screen. I.E. Creates a 80 x 32 character CLI window for standard PAL Amigas. Version 1.0, includes assembly source. Author: Paul Hayter FF537

**AntiCBS** An animation cooked up by Leo in protest of CBS's coverage of the Hacker's Conference in Oct 88. After reading the transcript I was angered enough to feel this needed widespread distribution, even though it is quite old. by: Leo 'Bols Ewhac' Schwab FF217

**AntiCicloVir** A link virus detector that detects ten different such viruses. Version 1.1 binary only.

Author: Matthias Gutt FF611

**AntiLemmin** Another great, humorous, animation from Eric Schwartz. This one was obviously inspired by the wonderful Lemmings game. Lasts a full two minutes and ten seconds. Requires at least 2 Mb of memory. Author: Eric Schwartz FF490

**APalAsm** A Programmable Array Logic (PAL) program based on an old MMI Fortran IV program from the 'PAL Handbook' Second Edition and Third Edition by MMI. This Version (1.00) is completely rewritten for Fortran 77. The outputs produced are sent to separate files instead of the screen. There are plenty of example PAL files to test, inspect, or just to learn what PAL's are all about. The Fortran source is included with the instructions to compile using AC/Fortran version 2.3. Author: Bob Metzler FF432

**ApfelKiste** 'Apfelkiste' is yet another mandelbrot program but very fast and simple to use. It has special assembly routines for fixpoint calculation. Includes versions for 1.3 and 2.0 68000 and 68030 each. Full source (C/Assembler) included. Author: Michael Böhnisch FF566

**APIG** ARexx Programmers Intuition Graphics library is an ARexx external function library similar to RexxArpLib. APIG.LIBRARY provides the ARexx programmer with access to most of the resident Graphic Intuition and Layer library functions. Allows you to create custom screens /windows gadgets reques- tres intuitext borders etc. This is version 3.3 an update to version 3.1 on disk 629. Binary only. Author: Ronnie E. Kelly FF634, FF629, FF559

**APipe** An 'Amiga pipe' device. If opened for read it will run the file name as an Amiga CLI command with the output going to the opening process. If opened for output it will run the file name as an Amiga CLI command with output to the opened file sent to the command as input. Author: Per Bojsen FF601

**Append** CLI utility that allows you to directly append one or more files to another without having to use the roundabout methods necessary with the AmigaDOS join command. Version 1.0, includes source. Author: Oliver Enselsing FF379

**APrf** A freely redistributable printing utility for the Amiga. Features include a full Intuition interface preview function page selection margins setup line numbering an AREXX port a multi-columns mode and more. Includes both French and English versions. This is version 5.00 an update to version 2.62 on disk 402. Binary only. Author: Denis GOUNELLE FF628, FF402

**AQData** Information to aid users in updating B. Lennart Olsson's Aquarium Version 1.12 database. Includes information on disks up to number 360. Author: Howard Hull FF369

**Aquarium** A program for searching through a special database contain- ing information about the contents of the library in order to find programs that match a specified list of conditions. Includes a database of disks 1-550 and two programs to add the contents of future disks to the database one by Silvano Oesch and the other by B. Lennart Olsson. Aquarium version 1.15 Olsson NewFish version 1.13 and Oesch NewFish version 2.6. Binary only. Author:



# Freely Redistributable Software

B. Lennart Olsson and Silvano Oesch FF559, FF301  
**ar** Text file archive program, C program in C source code and executable. AM2  
**Arc** The ubiquitous compressing archiver program that has become the defacto standard for distributing binaries and multi-file postings on most BBS's. This is Amiga version 0.23, a port of arc version v5.0, binary only. Author suggests \$35-\$50 donation. Author: System Enhancement Associates Amiga version by Raymond Brand FF70, FF40, AM8, AM17  
**ArchEdge** Intuition interface for several of the more popular archiving utilities such as ARC, ZOO, LHARC and PAK. Includes an Auto-Pad function that will automatically add some morsels for the modem. Version 1.5, includes assembly source. Author: Robert Lang FF362  
**Archx** Yet more programs for bundling up text files and mailing or posting them as a single file unit. Author: Martin Minow FF26  
**Arcl** A utility that lists your ZOO, ARC and LZH Archives with automatic type detection. Includes german version and documentation. Version 1.0, binary only. Author: Oliver Graf, T.O.M. Software FF535  
**ArcPrep** ArcPrep prepares files and/or directories for archiving with arc or any other program that can't scan through different directories and/or handle long filenames. V2.1, includes source. Author: Garry Glendown FF214  
**ARCRe** Creates rename scripts so that files with long names can be easily archived and de archived correctly by 'arc'. Author: John Hoffman FF53  
**arcrc** for making "arc" files E.C. AM17  
**AreaCode** Program which decodes area codes into state and locality. Version 1.5. Author: Bill Beoglein FF40  
**Arexx Part II:** Information on how to set up your own ARExx programs with examples. Author: Steve Gilmor AC7  
**ArgoTerm** Yet another terminal emulator program. However, this one is written in macro assembler, so should be of interest to anyone doing serious assembly language development. Version 0.20 Author: Jez San FF12  
**Argoterm** Terminal program with speech and Xmodem, assembler program. source code and executable program. AM3  
**Args:** Passing arguments to an AmigaBASIC program from the CLI. Author: Brian Zupke AC2  
**ARoff** A complete and powerful program for text formatting much inspired by the 'nroff' utility on UNIX systems. This is version 1.12. Includes source and documentation in both English and French. Author: Denis GOUNELLE FF583  
**Arp** ARP stands for 'AmigaDOS Replacement Project'. Arp is an effort led by Charlie Heath of Microsmiths Inc., to replace the current DOS in a compatible fashion, so that current programs will continue to work. Arp also makes whatever improvements are possible, so that current and future pro, FF53grams will work better. Author: Various authors contributed work FF123  
**ArpRequest** A demonstration of how to use the ARP filerequester from AmigaBasic. Author: Andreas Ackermann FF604  
**ARPTools** A group of small utility programs requiring ARP, that have been created to address some deficiencies of the ARP CLI environment, especially to exploit the potential offered by non-named pipes in the ARP shell. Version 1.0, includes source. Author: Fabio Rossetti FF284  
**Arq** Replaces the standard system requesters with nice animated requesters which you can also attach different sounds to. Works under AmigaDOS 1.3 or 2.0 to give all the normal system requesters a nice new look. Version 1.61, binary only. Author: Martin Laubach, Peter Wlecek, and Rene Hexel FF527  
**Arrange** A text formatting program, Executable program. AM3  
**arrow3d** Shows a rotating 3 dimensional wire frame arrow. No source available, executable only (downloaded from a Denver BBS). Author: Steve Beats of C-A FF12  
**ArticFox.pic** A IFF screen from ArticFox. AM6  
**ARTM** Amiga Real Time Monitor displays and controls system activity such as tasks windows libraries devices resources ports residents interrupts vectors memory mounts assigns locks fonts hardware und res\_cmds. This is version 1.3 an update to version 1.0 on disk 327. Sharware binary only. Author: Dietmar Jansen and F. J. Mertens FF551, FF327, FF277  
**As6502** Contains a portable 6502 assembler, including source in C. Author: J. Van Ornum; Amiga port by Joel Swank FF92  
**ASDG-rrd** Useful shareware recoverable ram disk. This AmigaDOS device driver implements a completely DOS compatible disk device in memory that survives resets, guru's, and crashes. An absolute must for those with lots of ram. It now works with up to 8Mb of memory, and is written in assembly. Binary only. By: Perry Kivolowitz, ASDG Inc. FF241, FF58  
**ASendPacket** Example program for sending multiple

packets asynchronously to a DOS handler, for those interested in implementing programs with a synchronous AmigaDOS file I/O. Author: Phillip Lindsay FF35  
**Ash** A ksh-like shell for the Amiga. Some of its features include command substitution, shell functions with parameters, aliases, local variables, local functions, local aliases, powerful control structures and tests, emacs style line editing and history functions, I/O redirection, pipes, large variety of built-in commands, Unix style wildcards, Unix style filename conventions, filename completion, and coexistence with scripts from other shells. Very well documented. V1.0, binary only. By: Steve Koren FF279  
**Ash** Prerelease version of a C-shell like shell program. Has history, command substitution, loops, etc. By: Thorn Smith FF18  
**ASimplex** An implementation of the Simplex algorithm for solving linear programs. It uses the standardized MPSX-format for input data files. This is version 1.5, an update to version 1.2 on disk 199. Changes include bug fixes, the ability to run from CLI, it's own window for I/O, and some new and improved commands. Includes source. Author: Stefan Forster FF250, FF199  
**Ask** questions an 'execute' file, returns an error code to control. AM15  
**AskTask** Allows you to examine various bits of the task structures of all tasks in the system, from the lists attached to ExecBase. Displays priority, state, flags, stack, signals, etc. You can also remove tasks, change the priority of a task, or send arbitrary signals to a task. Version 2/4/89, with source. By: J. Bickers FF230  
**Asm** A shareware macro assembler, submitted by the author. Asm is a 68010 macro assembler that is compatible with the assembler described in the AmigaDOS manual. This is version 1.1, an update to the version on FF46, and includes bug fixes, additional standard Motorola mnemonics and a simple startup code module. Author: Douglas Leavitt FF50, FF46  
**Asm68k** Full featured macro assembler, version 1.1.0, binary only. Well documented. By: W. Wesley Howe FF81, FF69, FF66  
**AsmExamples** A couple of assembly code examples. Executables are not extremely useful but the code might be of considerable benefit to beginning assembly language programmers. Author: Henrik Clausen FF155  
**AsmFilter** In AmigaBASIC turns the output of the Metacomco disassembler into a file that can be re-assembled. FF105  
**ASMOneDemo** A demonstration version of the commercial assembly development package 'ASM-One' with save disabled. Provides editor macro-assembler optimizer monitor and debugger. Can be controlled via mouse or keyboard. Includes assembly include files and offsettables. Many documented examples provided. V1.02 binary only. Author: Rune Gram-Madsen DMV-Verlag FF556  
**AsmProgs** Some misc assembly tools, programs, etc. FF105  
**asmsupp.i** Sample library example AM5  
**AsmToolBox** An assembler 'toolbox' created to make interfacing between assembler programs and AmigaDOS easy. Includes source. Author: Warren Ring FF136  
**AsmTools** Some CLI type tools, written in assembler (echo, load it, mounted, setlace, why). With source. By: Bryce Nesbitt FF79  
**ASpice** A version of the SPICE 2G.6 circuit analysis program which has been modified to run in the Amiga environment. The program arrays are adjusted to require one tenth the memory of the DEC VAX version. Although this does not usually put much of a constraint on circuit analysis, some users who are used to the full mainframe environment may have to be more aware of the memory demands of their analysis. Requires a minimum of 1 MB memory. This version neither supports nor requires the 68020 processor or 68881 coprocessor. This is Amiga version 5.1, an update to FF177. Binary only. Authors: Many, see Documentation. Amiga port by Dan Warns. FF278, FF177  
**AssemblyDemos** An interesting group of assembly language demos for your visual and aural pleasure. Binary only. Author: Foster Hall FF154  
**AssemTools** A collection of files of great interest to Amiga assembly language programmers. The collection includes 140 macro routines which make assembly language programming a lot easier. There is also a library of routines containing buffered C-like file handling functions (fopen, fclose, fgets, fputs, etc) and a file name requester. All routines are re-entrant. Includes source for example programs using the macros and library, and a 65c02 cross macro assembler. Author: Jukka Marin FF247  
**Assign** Replacement for AmigaDOS assign command, written in C. Author: Charles McManis FF52  
**AssignDev** Assigns multiple names to a given device. For example, allows the names 'df0:' and 'df3:' to refer to the same physical device. This is a modified version of the original released on FF79. Includes source. Author: Phillip Lindsay, mods by Olaf Seibert FF111,

FF79  
**Assigned** Same code showing how to find out whether or not a name has been assigned (via the DOS ASSIGN command) before using it, thus avoiding the DOS Insert-Disk requester. Includes source. Author: Dan Green FF66  
**AssignX** A 2.0-only utility to create assignments when you get a "Please insert volume" requester. Also lets you cancel the request, forever. Installs by dropping into your WBSStartup drawer. This is version 1.2, an update to version 1.0 on disk 475. Includes source. Author: Steve Tibbett FF487, FF475  
**Asteriods** "blast the asteriods" type game. Unique feature is that all the images and sounds are replaceable by the end user. So instead of ships and rocks, you can have an Amiga against a horde of IBM PC's if you wish. Author: Rico Mariani FF122  
**AsteroidField** This is Michael's entry for the 1988 Badge Killer Demo Contest. It is a large animation of a spacecraft flying madly through an asteroid field (chased by unseen foes) that includes a couple of near misses. Author: Michael Powell FF208  
**At Your Request:** Using the system-supplied requestors from AmigaBASIC. Author: John F. Weiderhirm AC3  
**ATbl** A program for table formatting somehow inspired by the 'tbl' utility on UNIX systems. Can produce printer output with IBM graphics characters or a regular IFF ILBM file which can be read by any decent desktop publishing or wordprocessor program. This is version 1.00. Binary only with English and French documentation. Author: Denis GOUNELLE FF583  
**ATCopy** A program to copy files from the Amiga side of a system equipped with a PC/AT bridgeboard to the PC side using wildcards. Copies directly through the shared memory. Supports CLI and WorkBench usage. This is an update to version 2.2 on disk 458. Now includes an AREXX port. Shareware binary only. Author: Peter Vorwerk FF610, FF510, FF458, FF429, FF406  
**ATerm V7.2** Term prog. includes Super Kermit. AM17, AM1  
**AtMovies** Another of Eric's cute animations, this one starring his cartoon creation Amy the Squirrel and her boyfriend in some hijinks at the movies. Author: Eric Schwartz FF418  
**ATOF** A small utility that allows you to use the fonts of another disk without using the CLI. Version 1.0, binary only. Author: Roger Fischlin FF245  
**ATPatch** A program which reportedly will patch the Amiga Transformer for operation under Workbench 1.2 (I don't have one so I couldn't test it). Includes source. Author: Philip Staub FF61  
**Atree** A disk utility which imitates similar utilities widely available on IBM compatibles (PC Tools, Xtree, QuickDos, etc). The intent is to allow the user a graphic representation of the entire directory structure on a disk device, including the files in each directory, and the capability of moving quickly through the tree to a directory to access its files. Version 1.7, binary only. By: Don Schmidt FF289  
**Attacks** A two player strategy game played on a seven by seven grid modeled after the arcade game called Ataxx. The moves and rules are very simple but the strategy is complex. Includes source in Modula-2. Author: Scott Biggs FF632  
**Audiollusion:** Experience an amazing audio illusion generated on the Amiga in Benchmark Modula-2. Author: Craig Zupke AC11  
**AudioScope** AudioScope is a realtime audio spectrum analyzer for the Amiga. Use AudioScope to examine the frequency spectrum of any audio signal received through the PerfectSound 3 audio digitizer. Due to the heavy computational load, an accelerated Amiga is recommended. Binary only. Author: Richard Horne FF543  
**AudioTools** Demo programs from Rob Peck's article in the July/August issue of Amiga World on accessing the audio device This is version 2, an update to the release on FF84. Includes source. Author: Rob Peck FF94, FF84  
**Author:** Doug Dyer FF593  
**AutoActivate** A commodity which activates the window under the mouse pointer when pressing any key. Requires AmigaOS 2.0. This is version 1.08. Includes german version and source in C. Author: Stefan Sticht FF497  
**AutoAddRAM** Allows you to add several non-autoconfig memory boards at once, optionally specifying priority and memory chunk name. This is version 2.03, binary only. Author: Jonathan Potter FF412  
**AutoCentre** A utility for AmigaDOS 2.0 that will automatically center any new screens that are opened. This is especially useful when you have an overscanned WorkBench screen under 2.0 but find that a lot of applications still open on a 640 wide screen that is aligned with the left edge of the screen. With this program these screens will be centered as

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they are opened. Version 1.2 binary only. Author: Colin Bell FF557

**AutoCLI** A 'PopCLI' type replacement that works with WorkBench 2.0 and fully compatible with A3000 & accelerator boards. Always retains the default path and stack and current directory. Can automatically open CLI/SHELL windows to 1 pixel less than the current screen size on opening. New functions include spline patterning on blanking toggle freeze mouse more function keys mouse activated screen shuffle close gadgets on Shell windows and more as many users have requested. This is version 2.17 an update to version 2.12 on disk 571. Binary only. Author: Nic Wilson FF617, FF571, FF567, FF553

**AutoCLI** A 'PopCLI' type replacement that works with WorkBench 2.0 and fully compatible with A3000 & accelerator boards. Always retains the default path and stack, and current directory. Can automatically open CLI/SHELL windows to 1 pixel less than screen size on opening. Other features include an optional Function-key press with the qualifier to execute an SScript file. Version 1.99d, binary only. Update to version on disk 424 with more enhancements. Author: Nic Wilson FF501, FF424, FF399

**AutoEnquirer** An example of a screen contraption that is like a requester except that it's not quite as demanding, goes where you want to put it, and remembers where it was put. Includes source and Manx'ified version of Chris Gray's fractalish terrain generator as a demo. Author: Howard Hull FF89

**AutoFacc** Autoface automatically shrinks the ASDG FACC window and moves it to the back. Also allows the number of buffers to be increased or decreased. Most useful from the Startup-Sequence file while booting. Binary. By: Andry Rachmat FF81

**AutoGraf** Collects and graphically displays information on auto mileage. Features miles per gallon cost per mile miles driven highs lows averages etc. Includes a couple of sample data files. This is version 2.0 an update to version 1.0 on disk 166. Binary only. Author: Joel Swank FF606, FF166

**AutoIconOpen** Example code to fool WorkBench into thinking it is receiving mouse inputs that select and open icons. This is version 1.2, an update to the version on FF73. Includes source. Author: Tony Wills FF87, FF73

**Automat** Cellular automata simulation. AmigaBASIC Program. AM3

**Automata** Automata is an extremely versatile, cellular automaton simulation. Virtually every aspect of the simulation can be altered, saved, and later recalled. Also supplies many powerful editing functions (such as patterns, rotations, reflections, etc) for creating and modifying cell configurations. Additional features include editable icons, an immense variety of rules from which to choose, "music" which changes as the cell configuration changes and methods to speed execution from 3 to 60 (or more) generations per second. Binary only. Author: Jerry Mack FF489

**Automata** Four cellular automata programs. Automatron is a one dimensional cellular automaton. Crud is a automation based on a sum index rule. Demon is a cyclic space automation described in the Aug 89 Scientific American, and Life is one of the oldest and best known of all cellular automata. Includes source. Author: Gary Teachout FF249

**AutoPoint** Autopoint serves two functions: It automatically selects the window underneath the mouse pointer and it provides a very nice screen saver facility. Binary. By Jude Katsch FF86

**AutoPort** A software switch that makes it possible to use a trackball or mouse plugged into the first mouseport together with another trackball or mouse in the second port as if they were two input devices plugged into the same first port. Version 1.1 includes source. Author: Bernd (Koessi) Koesling FF609

**AutoRequester** example. AM14

**AutoRev** A little utility to make it easy to update program-headers ran from the CLI. Requires AmigaDos 2.0. This is Version 1.1r. Source included. Author: Jan van den Baard FF502

**autorqstr.txt** Warnings of deadlocks with auto requesters. C program. AM4

**AuxHandler** Example of a DOS handler that allows use of a CLI via the serial port. Includes source. Author: Steve Drew FF79

**AvailMem** A small free memory counter that continuously displays the amount of (and size of the largest block of) free chip, fast, and total memory in bytes (as opposed to K). This is version 1.12, a Workbench 2.0-compatible upgrade to version 1.03 on disk 285. Includes source. Author: Dave Schreiber FF496, FF285

**Avi** An Amiga work-alike version of the UNIX vi editor. Though not especially recommended for beginners, designed for those of you who may have the vi commands permanently hard-coded into your fingertips! V1.0, binary only. By: Peter Nestor FF162

**AVLSort** A text file sort program, based on a general purpose AVL package by Mark Mallett (included). Handles as many lines as will fit in memory. Includes source. Author: Robert Pylon, Mark Mallett FF519

**AviTrees** Library and test program that implement routines for creating and using balanced binary trees (AVL trees) held entirely in memory. Includes source. Author: Paul Vixie FF103

**AWP** This program animates any wait pointer like the one in WorkBench 2.0. It installs a vertical blank interrupt to minimise CPU usage and is written 100% in assembler for maximum efficiency. It uses two hands for the clock, like it should be, and has nine different user selectable speeds. Requires AmigaOS 2.0. Version 1.0, binary only. Author: Damian Cox FF544

**Az** A nice little text editor that is fast, simple to use, and very Amiga'ized-lots of new features, bug fixes, and other im-provements. Binary only. By: Jean-Michel Forgeas FF346, FF228

**AZComm** Modified version of Comm 1.34 that contains Zmodem send, receive, and resume receive. Version 1.00, Binary only. Author: SS. Patel, based on Comm 1.34 by DJ James FF171

**AzMake** A work environment for Aztec C. You can compile assemble link print etc your programs by clicking a gadget. Typing in the Shell is out. Version 1.1 shareware binary only. Author: Christian Friedel FF586

**AztecArp** An Arp interface package fixed to work with Aztec 'C' version 5.0. This is version 1.9, an update to the version on disk 376, and includes a number of bug fixes and a couple of new features (such as vsprintf/vprintf/ vprintf-like Arp routines and fixes for Kickstart 2.0). Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF436, FF376, FF353

**Back 2 programs** to assist users of Matt Dillon's Backup/Restore program in making error-free VERIFIED backups onto floppy disks and useful as a trackdisk device example. With source. By: Stephen Vermeulen FF284

**Back&Front** Sends a window to back or brings it to front with defined actions. For example put a window in front by double-clicking in it and send it back with the middle mouse button. Any keyboard or mouse event can be trapped. Number of required actions can be changed (double-click vs triple-click). Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.03. Includes german version and source. Author: Stefan Sticht FF497

**BackDrop** Backdrop allows you to define a pattern which will then be displayed on the workbench screen in the normally empty area behind all the windows. Similar in concept to DropCloth, but this one does not require workbench to be loaded (and does not cohabit very well with workbench). Includes source. Author: Eddy Carroll FF216

**BackGammon** A graphical Backgammon game done as an undergraduate A.I. course project. Version 1.0, includes source. Author: Robert Pfister FF120

**Backgammon** Another game in ABasiC by the author of Monopoly. Author: David Addison FF28

**BackPac** Demo version of a new backup program. Features include intuition interface, data compression, 907K written per floppy, full and incremental backups, full or selected restores, inclusion/exclusion patterns, user defined config files, multitasking friendly. Version 1.3, binary only. Author: Canadian Prototype Replicas FF447

**Backup** A simple backup program that writes normal AmigaDOS disks as the backup destination. To recover files, you just copy from the backup disk. Requires manual decisions about what subdirectories to backup to what disks to make everything fit. Includes source. Author: Alan Kent FF98

**Backup** Backup and Restore allow you to backup any directory tree with optional compression, and later extract all or part of the tree. The protection, date, and file comment are saved with each file. This is version 2.06, an update to version 2.04 on disk 258. Includes source. Author: Matt Dillon FF434, FF258, FF168 & 169

**Badger** Reminder program for your startup-sequence. Badger will open a window and display any important events that are 'due'. Badger will not bother you if there is nothing to report. Events are entered via menu and prompts. This is version 2.05a, an update to version 2.01e on disk 432. Includes many new features such as event editing and automatic holiday notification. Shareware, binary only. Author: George Kerber FF543, FF432, FF365

**Ball** Draws a ball, an AmigaBASIC Program. AM8

**Balloon** This animation with sound effects is Dave's entry to the 1989 BADGE Killer Demo Contest. Binary only. Author: Dave Schreiber FF272

**balls** Simulation of the 'kinetic thingy' with balls on strings where only the end balls move (quick, can YOU come up with a better description?). Anyway, cute. Author: Perry Kivolowitz FF1

**BallyIII** Amiga port of the former arcade game named Click. This version fixes some minor bugs and is faster

than the previous versions. This is version III. Binary only, shareware. Author: Oliver Wagner FF232, FF221, FF205, FF181

**BambooTiger** BambooTiger in LoRes FF72

**band** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**banjo** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Bankn** A complete checkbook system offered by the author as shareware. Update to version on FF120. Version 1.5, binary only. Author: Hal Carter FF163, FF120, AM20

**banner** Prints horizontal banner (across screen). From Decus C distribution of several years ago. Author: Unknown FF4

**BasicBoing** An AmigaBASIC program which shows animation by page flipping. Precalculates all views of a rotating 3Dimensional cube and then cycles through them rapidly for animation Author: Arthur Blume FF43

**BasicProgs** Some more AmigaBASIC programs. LeastSquare solves leastsquares problems and graphs the results. Curves is a demo of one use for LeastSquare (find curves to fit a set of points). Freud is a Freudian analysis program. Includes source, needs AmigaBASIC from Extras. Author: George Trepal FF105

**BASICSorts** Examples of binary search and insertion sort in AmigaBASIC. AM22

**BasicStrip** An AmigaBASIC program that helps to convert programs written in other forms of Basic to AmigaBASIC. Author: George Trepal FF121

**bass guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Batch Files:** Executing batch files from AmigaBASIC. Author: Mark Aydelotte AC4

**Batchman** A program that allows the user to execute CLI programs and batch files simply by clicking on a gadget. It can be used as the center of a turnkey system, where the user simply clicks on gadgets to launch applications. Version 1.1, includes source in Modula-II. By: Michal Todorovic FF325

**BatchMaster** A program that makes creation of interactive command scripts a lot easier. It works as commands ASK, IF and SKIP together, only better. You can have up to four options to skip to, and select them with a mouse, as BatchMaster has an Intuition interface. This is version 1.27. Requires arp.library. Binary only. Author: Janne Pelkonen FF521

**BatchRequester** A simple program which opens an Arp filerequester and writes the result to an environment variable. Very useful if used in batchfiles. Version 1.1, source code in Oberon. Author: Christoph Teuber FF436

**BattleForce** A nicely done shareware game, submitted by the author, that simulates combat between two or more giant, robot-like machines. This is version 3.61, an update to version 3.01 on disk 205. Binary only. Author: Ralph Reed FF273, FF205

**Bawk** Text processor inspired by the UNIX Bawk utility. This is an update to the copy released on FF65. Bawk searches files for specific patterns and performs actions for every occurrence of these patterns. The patterns can be regular expressions. The actions are expressed using a subset of the C language. With C source. By: Bob Brodt; Amiga port by Johan Widen FF92, FF65

**bBaseII** A simple database program using an intuition interface. Stores sorts and searches for information. Limited to 9 fields in each record. Features include fast sorting search in any field and best of all it's really easy to use. This is version 5.3 an update to version 5 on disk 563. Changes include improved print-outs and now supports mailing labels. Binary only. Author: Robert Bromley FF609, FF563, FF491

**BBChampion** This is BootBlockChampionIII, a very nicely done program that allows you to load, save, and analyze any bootblock. V3.21. New features include checks for five different LAMER viruses. Binary only. By Roger Fischlin FF298, FF244

**BBFormat** A floppy disk formatter for diskettes with hard errors. Bad media areas are mapped out so AmigaDOS will not use them. Presently not intuitionized, runs from CLI only. Version 5/7/91, includes source. Author: David Varley FF493

**Bbm** Demo of B.E.S.T. Software's Business Management System. A full implementation with file sizes reduced for demo purposes. by Business Electronics Software & Technology Inc. FF43

**BBS** A BBS for the Amiga (BBS-Amiga Version 1.1). Author: Ewan Grantham Author's suggested shareware donation: \$25 FF30

**BbsList** A list of Bulletin Board Systems which support the Amiga. The list was compiled from a list on Delphi, Compuserve, bathroom walls, etc. Author: Dick Sheffield FF43

**BCBMusic** This is the second set of original music in the BCBmusic series. This set includes the songs "Still Waiting", "Transpose", and "Trilogy". Like the first set (on disk 428), no player program is required since it is actually compiled in with the

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song. These new songs include a new equalizer-style graphic display which can be toggled on and off. WB2.0 compatible, binary only. Author: Brian C. Berg FF538, FF428

**BCF** FORTRAN-77 compiler, linker, and runtime support library. No Amiga specific hooks, just vanilla FORTRAN. ANSI compatible with extensions. Version 1.3c, binary only. Author: Andre Kostli FF470

**Beach** A great new animation from Eric Schwartz. In 'A Day at the Beach' Flip the Frog and Clarisse the Cat head out for a day at the beach where they run into MoonDoggie. Needs 3Mb or more of memory. Part 1 is on disk 617 & Part 2 is on disk 618. Author: Eric Schwartz FF617 & FF618

**BeachBirds** Jerrold Tunnell's entry to the Badge Killer Demo Contest. Uses sprites and sound to portray a beach scene. Runs on a 512K machine. Binary only. Author: Jerrold Tunnell FF112

**BeBoDemo** A demonstration version of the commercial game BeBoP 'N Drop. BeBoP 'N Drop is a real-time graphical arcade puzzle game, a greatly enhanced version of the popular shareware game Obsess-O-Matic. The object is to fit the falling pieces together in such a way as to form complete horizontal rows, which will then disappear off of the board. BeBoP 'N Drop contains 77 different levels of play, each with a different shape board. The game contains over 800 different playing pieces, more than 450K of digitized sound, and many interesting visual effects. Binary only. Author: Wayne Phillips FF550

**beep** Source for a function that generates a beep sound, like CTRL-G on a VT100 terminal. Author: Samuel Dicker on Commodore-Amiga FF14

**bells** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Berserk** This animation, unveiled at the September 87 meeting of the First Amiga Users Group, got Leo a standing ovation. It is a 'must see' for every Amiga user, and ranks up there with 'Juggler' as a premier demo for the Amiga. The difference between this distribution, and the one on disk 100, is that this one includes 'source'. I.E. it contains all the object descriptions necessary to recreate the animation. Thus you can, if you like, try modifying various objects to create slightly different animations, or use it as an example for creating your own animations. Seldom does a disk get devoted to a single program, however animation is one of the Amiga's greatest strengths, and I felt it was appropriate to have at least one animation that was available at the 'source code' level. Author: Leo Schwab FF132, FF100

**Berserker** Detects and eliminates viruses. Knows all 'popular' viruses and their kin, including the new 'Centurion' and 'Traveling Jack' link viruses. Comes with a resident handler which continually checks memory to prevent virus infection and a utility to fix programs corrupted by the 'Centurion' and 'Traveling Jack' viruses. Version 5.02, an update to the version on disk 355. Contains partial source in assembly. Author: Ralf Thanner FF436, FF355, FF280

**Bertrand** A graphics demo. AM8

**Better String Gadgets:** How to tap the power of string gadgets in C. Author: John Bushakra AC4

**Bezier** Simple programs to allow you to fool around with Bezier curves, using the mouse to move the points that define the curve and a prop gadget to change the granularity of the curve generation loop. Includes source. Author: Matt Dillon FF75

**bgrep** Another grep like utility, also using the Boyer-Moore algorithm. Author: Roy Mongiovi and Arnold Robbins FF4

**BI** A brush to C code image converter. This is version 1.3, an update to version 1.0 on disk number 184. Contains bug fixes and support for AmigaBasic. Binary only. Author: Terry Gintz FF375, FF184

**BICS** Boot Intro Construction Set is a tool to create a small intro on the bootblock which will appear if you insert the disk for booting. This is version 1.10 a fully rewritten update to BootIntro on disks 244 and 245. Binary only. Author: Roger Fischlin FF630

**BigBrother** A virus infection detection program with some optional utilities. It runs as a normal task and checks every 1 second the important memory locations in the Amiga. As a bonus, BigBrother is capable of starting a new shell, starting script files, viewing and installing bootblocks. All this in a program less than 10K. Includes assembly source. Author: Erwin van Breemen FF473

**Bigmap** Program which demonstrates how to use the low-level graphics calls, ScrollVPort especially. Demonstrates scrolling around inside a very big bitmap. Author: Leo Schwab FF33

**BigView** Displays any IFF picture, independent of the physical display size, using hardware scroll. Default display size is 320 by 200 in lo-res; HIRES or LACE attributes added if user width/height exceeds low resolution boundaries. Includes source. Author: John Hodgson FF58

**Bind** A binding (glue) library builder. Takes a standard

'fd' (function definition) file and generates a binding library for the functions defined in the 'fd' file. Version 1.2, an update to the version released with midilib on disk 227. Binary only. Author: Bill Barton FF309

**BinToHunk** A utility to convert a raw data file (text bitmapped image etc.) into an Amiga Hunk format object file that can be linked using Blink. This is version 1.0 includes source. Author: Ray Burr FF579

**Bio-feedback/Lie detector Device:** Build your own lie detector device. Author: John Iovine AC9

**Bison** A replacement for UNIX 'yacc' command. This is from the GNU (GNU is Not UNIX) effort. Contains updates to the version on FF136, submitted by two separate sources. Includes source. Author: Bob Corbett and Richard Stallman, updates by William Loftus and Scott Henry FF155, FF105, FF136, FF51, FF4

**BizCalc** A do-it-all user friendly loan calculator that calculates weekly and biweekly loans. Can generate amortization tables to the screen, to the printer, or to a file. Uses menus, buttons, or keyboard commands, and iconifies. Has six decimal precision option and more. This is version 1.2, an update to version 1.1 on disk 493. Binary only. Author: Michel Laliberte FF535, FF493

**BlackBook** Keeps track of those important phone numbers and addresses. Shareware, author suggests \$30 donation. Author: Craig Nelson FF70

**BlackBox** The black box is an 8x8 grid in which several 'atoms' are hidden. Your job is to find the atoms. You have at your disposal a ray projector which you can use to send rays into the box from any of the 32 spots around the box. Binary only. Author: Tim Kemp FF178

**BlackHole** A little utility that acts like a 'super-trashcan' and adds an appicon to the Workbench backdrop window. As such BlackHole requires AmigaDOS 2.0. You can drag file or drawer icons onto the Black Hole and you will then be asked if you really want to delete the items. Version 1.0 binary only. Author: Parsec Soft Systems FF586

**BlackJack** A blackjack simulation program with the ability to simulate nearly any casino blackjack game in the world. Allows the use of the most popular playing strategies and modifications to them. Has color coded strategy tables to enhance the learning of the strategy. Tracks basic statistics such as number of hands played, bankroll limits, casino profitability and others. Allows from 1 to 7 players, including the computer. Has online help, a demo mode, and a special practice mode. Version 1.01, shareware, binary only. Author: Dan Coglian FF427

**BlackJack** A line oriented (no graphics) blackjack game. Author: Unknown FF19

**Blankette** VERY tiny screen blinder/dimmer. Very nice on your system, very little CPU time, compatible with just about everything. Dims screen rather than going black. Includes assembler source. Author: Max Bithead FF475

**Blink** A linker written as a replacement for ALink. Fully ALink compatible and supports many additional options not found in ALink. Also is much faster than ALink and produces smaller executable files. Version 6.5. Author: Combined efforts of the Software Distillery FF40, FF34, AM12

**Blit** This animation is Richard's entry to the 1989 BADGE Killer Demo Contest. An interesting feature of this animation is that it uses the Copper to show the lower right corner of the screen in Hi-Res, while leaving the rest of the screen in Lo-Res. Binary only. Author: Richard Addison FF276

**BlitDemos** This program implements the Demons cellular automaton as described in the August, 1989, issue of Scientific American. Using extremely simple rules it exhibits rather complex behaviour. Uses the blitter to perform over 350,000 cell-generations per second. Version 1.0, includes source. Author: Walter Strickler FF256

**BlitLab** Blitlab is a program which lets you experiment with the blitter, to your hearts content, in relative safety. It opens a workbench window with gadgets for all the registers of the blitter, and allows you to manipulate individual registers and perform blits on a magnified bitmap. V 1.4, an update to FF84. Includes source. Author: Tomas Rokicki FF191, FF84, FF69, AM20

**BlitterSand** An interesting cellular automata program that gets its roots from a 'sandpile'. Intriguing to watch. Includes assembly source. Author: Mike Creutz FF387

**Blitz Basic:** Here are some examples created with M.A.S.T.'s integrated BASIC environment. Author: Paul Castonguay AC13

**Blitz** Blitz is a small program that is designed to be loaded into memory and that sits in the background until activated by its hot key. It allows you to view a text file, much like a TYPE command, only that it lets you move forwards and backwards through the file. Its screen updates are blit'z'n. Binary only. By: Hayes Haugen FF60

**BlitzFonts** Blitzfonts makes text output up to 6 times faster, transparently to well behaved programs. It is also very small and written 100% in assembly for

maximum speed. Binary only Author: Hayes Haugen FF60

**Blk** A requester making tool employing various recursive algorithms including a recursive parser. It takes input text files and converts them to C-source for including as requester declarations. Update to FF152, with many enhancements. Includes source. Author: Stuart Ferguson FF191, FF152

**Blob** Another screen hack. Makes red drops of slime flow down your screen. Version 1.1, includes source in C. Author: Guido Wegener FF358

**Blobs** A simple graphics program, reminiscent of the UNIX 'worms' program, but in color of course. By: Peter Engelbrite FF15

**Blocks2** Amusing and colorful display of a moving trail of 'blocks'. Update to version on FF71, however this version also includes source. Author: Gary Walker FF156, FF71, AM1

**bm** A grep like utility using the Boyer-Moore algorithm. Author: Peter Bain FF4

**BMake** A GNU Make subset. Includes pattern rules, conditionals, "include", function calls, etc. This is Version 1.4, with source. Author: Ben Eng FF523

**BMAP Reader** by Tim Jones. AM14

**BMon** System monitor AmigaBASIC program; perform simple manipulations of memory. AM24

**BMP** plays 8SVX sampled sounds in the background while something else is happening in the Amiga, as your Amiga is booting, for example. AM26

**BNTools** Three examples of assembly language code from Bryce Nesbitt: AM24

**BobEd** BOB and sprite editor written in C. In C source code, executable program and documentation. AM20

**bobtest.c** BOB programming example. C program. AM5, AM4

**Boing!** Boing! demo, with selectable speed. Executable program. AM9

**BoingDemo** Demo version of a neat game due for release in March 1990. It is fully functional but the play time is limited to five minutes per play. Version 0.30, binary only. Author: Kevin Kelm, Alternate Realities FF335

**BoingMachine** A ray-traced animation of a perpetual motion Boing-making machine, includes the latest version of the Movie program, which has the ability to play sounds along with the animation. By Ken Offer. AM24

**BoingThrows** A 50 frame HAM animation done with Sculpt-3D, and minor touchups with DigiPaint. The animation took about 325 hours of runtime to generate. Author: Marvin Landis FF134

**boink** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Bomber** Amiga version of the Macintosh game called 'Bombs'. This is version 1.2. Requires OS 2.0. Includes source. Author: Michael Balzer FF566

**BootBack** A handy little utility to copy and save the boot block from a disk, then later restore it should the disk get stomped on by some ugly virus. Includes source. Author: David Joiner FF157

**BootBase** Another bootblock save/restore utility. Includes an auto-compare function. Includes source. Author: Steven Lagerweij FF363

**BootBlocks** Detailed documentation on what a bootblock is and how it works, along with some sample bootblocks and a program to install a custom bootblock. Includes source for the sample bootblocks and the install program. By: Jonathan Potter FF242

**BootCACHE** Utility to turn off the 68020/68030 instruction and data caches upon rebooting. This improves chances of old programs (especially games) working on Amigas with one of these processors (e.g. the A3000). Version 1.0, includes source in assembly. Author: Nico Francois FF418

**BootGames** Two tiny games which fit on the bootblocks of a boot disk. BootOut is a Breakout style game and Squash is a squash type game (just like on those old TV games). BootOut V5.X and Squash V4.3. Includes assembly source. Author: Paul Hayter FF537

**BootGen** This program creates a bootmenu. You simply enter the name of ten programs and the program will do the rest. When you boot the disk a menu will appear where you can choose one of ten program names, which automatically will be loaded. Version 3.4, binary only. Author: Frank Enderle FF533

**BootIntro** This program creates a small intro on the bootblock of any disk, which will appear after you insert the disk for booting. This is the 'next generation' BootIntro, a more colorful version than the one on disk 244, but the text must be shorter. The first line can be up to 24 characters. The second and third lines can be up to 22 characters. The scrolling text can be up to 98 characters. This is 'next generation version 1.1'. Binary only. Author: Roger Fischlin FF245, FF244, FF188

**BootPic** BootPic allows you to install nearly any IFF picture that you like in place of the WorkBench hand that appears after a reset. Version 2.0 an update to version 1.2 on disk 609. Binary only. Author: Andreas Ackermann FF635, FF609, FF532, FF484

**BootX** An easy to use boot file and link virus killer with a KickStart 2.0 look (even under KickStart 1.3).

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Has lots of options to detect and kill Amiga viruses. Version 4.02 an update to version 3.80d on disk 542. Binary only. Author: Peter Stuer FF560, FF542, FF420

**Bounce** This program is Steve and Tom's entry for the Badge Killer Demo Contest. It creates little dots that bounce around and multiply. With source. By: Steve Hansel and Tom Hansel FF127

**bounce** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Bouncer** A 3D simulation of a bouncing ball written in Creative Solutions' Multi-Forth, with source included. By: Jon Bryan FF67

**Bowl** This is Vern's entry for the 1988 Badge Killer Demo Contest. It is a Sculpt-Animate animation that shows three colored balls flying in circles above a mirrored bowl. Rendering the animation took about 2 weeks. Distributed in zoo format because of its size (zoo program included for easy unpacking). By: Vern Staats FF209

**box** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**BPDI** Demo version of a new strategy game written in GFA-BASIC. German version only. Binary only. Author: Dirk Hasse FF411

**BreakOut** A 3D game. Requires 3D glasses. By Tim Kemp FF50

**Bref** A cross reference program for AmigaBASIC code. Generates a list of the BASIC code with lines sequentially numbered, plus a table showing all variables and labels used in the code, and the line numbers where they were used. This is version 2.0, an update to version 1.0 on disk 283. This is a major revision, including a new intuition interface. Includes source. Author: Dick Taylor FF494, FF283

**Breshehan** A Forth program which produces a Breshehan circle algorithm example. AM11

**BrickOut** Classic computer brick wall game, ABasic program. AM1

**brickout** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Bridging The 3.5" Chasm:** Making Amiga 3.5" drives compatible with IBM 3.5" drives. Author: Karl D. Belsom. AC9

**Brik** A general purpose program that calculates both text and binary cyclic redundancy codes (CRCs). Text mode CRCs calculated by brik are portable across systems for files that are in the usual text format on each system. Binary mode CRCs are portable for files that are moved from system to system without any change. Brik can be used to verify and update an embedded checksum header in files. It runs under MS-DOS, UNIX system V, BSD UNIX, VAX/VMS, and AmigaDOS. This is version 2.0 and includes source. Author: Rahul Dhesi FF233

**Brownian** A demo based on both fractal theory and brownian motion. Includes source. Author: John M. Olsen FF206

**Browse** View text files on a disk, using menus in source code and executable, a C program. AM8

**Browser** A "Programmer's Workbench". Allows you to easily and conveniently move, copy, rename, and delete files & directories from a CLI environment. Also provides a method to execute either Workbench or CLI programs by double-clicking them or by selecting them from a ParM like Menu with lots of arguments. A browser 1.6 replacement, does everything Browser 1.6 does and a lot more. Version 1.0, includes source in C. Author: Sylvain Rougier, Pierre Carrette FF540, FF476, FF180, FF134

**Browser** A program that lets you wander around a file tree and peek into files, all with the mouse. Author: Mike (I'll be mellow when I'm dead) Meyer FF18

**Browser** Another version of the browser program released on disks number 18 and number 34. Includes some bug fixes and enhancements. Includes source. Author: Mike Meyer, enhancements by Mark Schretlen FF59

**Browser** Updated version of the browser program released on FF18. This one has been 'manxified', has scroll bars, and several bugs fixed. Author: Mike Meyer, enhancements and fixes by Bob Leivian FF34

**Browser2** This browser type program is apparently not based on the original Mike Meyer version. Binary only. By Dan Green FF59

**Bru** Alpha 1 version of a hard disk and/or file archiver written for UNIX. This is a vanilla port, with very little Amiga smarts, but it is usable. Last freely redistributable version. By Fred Fish FF48

**Brunjes** Various tools submitted together by the author. StringPkg is string package for both Forth style and NUL terminated strings. Date&Time are handy tools for getting and printing formatted date and time. Utills are utilities used by the other files. CursorControl is an example of moving the text cursor. SpaceOrEscape is a handy word for pausing or stopping program output. Includes source code. Author: Roy Brunjes FF239

**Brush2C** Brush2C converts an IFF brush to C data instructions, initialization code. Executable program. AM9

**Brush2Icon** Brush2Icon converts an IFF brush to an

icon. Executable program. AM9

**Brush.4D** Converts IFF images into Sculpt 4D object format. Works with any IFF image, including HAM & Extra Halfbrite. Convert brushes in full color, with optional wrap, to 3D shapes. Also includes optimization routine. Version 1.00, shareware, binary only. Author: Bruce Thomson FF361

**Brushes** Contains 53 custom brushes for use in DPaint while drawing schematics. Includes things like resistors, capacitors, gates, transistors, IC pacs, etc. Author: Jim Lee FF81

**BrushIcon** Converts brushes to icons (bizzare docs). AM25

**brush2toBOB** Converts small IFF brushes to AmigaBASIC BOB OBJECTS, an AmigaBASIC program. AM11

**bsearch.asm** Binary search code. Assembler program. AM2

**BSplines** Simple program to fool around with B-SPLINES, ala Bezier programs. Includes source. By Matt Dillon FF75

**Bspread:** A powerful spread sheet program written in AmigaBASIC. Author Brian Cately AC1

**BTE** Bard's Tale character editor. Executable program and documentation. AM19

**BTntape** A 'Better Than Nothing' SCSI tape device handler. Provides flat file access to a SCSI tape drive from application programs using simple DOS calls to Read() and Write(). It can also be used with the Amiga TAR utility for disk backups. Requires a 'SCSI-direct' compatible SCSI bus adapter. This is version 2.1 an update to version 2.0 on disk 471. It fixes a number of bugs and includes some new features such as appending files to existing tapes. Includes source. Author: Robert Rethemeyer FF558, FF471, FF392

**Btree** Routines to implement a B-tree algorithm and several accompanying tests, apparently derived from the single file version also included on this disk under 'Btree2'. Still buggy, but looks useful with a little work. Author: Richard Hellier, posted to usenet by Steve Jefferson FF34

**Btree2** Previous (original) version of btree routines. Author: Richard Hellier FF34

**Budget** A program to help with managing personal finances. This is version 1.3.4 an update to version 1.3.3 on disk 546. New features include search selection replace and printer output. Binary only. Author: Le Lay Serge Camille FF576, FF546, FF452, FF416

**Bugs** Another gag-program. Be careful! It may destroy graphics, but nothing else! Can be stopped by pressing the firebutton of a joystick in port 1. Includes source in Modula II. Author: Robert Brandner FF549

**Bugs** Text of known bug list in Lattice C 3.02. AM1

**Bully** Mike Meyer's entry for the Badge Killer Demo Contest. Pushes all open screens around (thus the name 'bully'). Designed for showing off more than one demo at a time Includes source. Author: Mike Meyer FF112

**ButExchange** An input handler to help left handed Amiga users. It reverses the function of the mouse buttons, so that the left button becomes the right and vice versa. Very small, uses only 168 bytes of memory. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**Citoh Prowriter** Printer driver for the C Itoh Prowriter. AM9

**C Notes 6.2:** A reminder program to display messages. Author: Stephen Kemp AC13

**C Notes 6.3:** Working with functions. Author: Stephen Kemp AC13

**C Notes From The C Group:** A discussion on cryptography. Author: Stephen Kemp AC12

**C Notes From the C Group 5.8 & 5.10:** Functions supporting doubly linked lists, and a program that will examine an archive file and remove any files that have been extracted. Author: Stephen Kemp AC11

**C Notes From the C Group:** Doubly linked lists revisited. Author: Stephen Kemp AC10

**C Notes From the C Group:** Writing functions that accept a variable number of arguments. Author: Stephen Kemp AC8

**C Notes V4.9:** Look at a simple utility program in C. Author: Steven Kemp AC5

**C Notes:** Doing linked list and doubly linked lists in C. Author: Stephen Kemp AC10

**C Notes:A** A small program to search a file for a specific string in C. Author: Steven Kemp AC4

**C Notes:B** The beginning of a utility program in C. By Steven Kemp AC4

**C Notes:C** Recursive functions in C. Author: Stephen Kemp AC7

**C Notes:D** A look at two data compressing techniques in C. Author: Stephen Kemp AC7

**C Squared** Graphics program from Scientific American, Sept 86. In C source code and executable. Documentation included. AM14

**C-Functions** A group of four little C-functions to add to

your library to make your programming life a little easier. Includes source and a small demo program showing some of the results. Author: Lars Thuring FF164

**C-kermit** Port of the popular 'kermit' program, a flexible virtual terminal and file transfer program from Columbia University. Author: Unknown, ported to Amiga by Davide Cervone FF26

**C-Light** A demonstration copy of a commercial ray tracing program, which is identical to the commercial version except that it has been limited to ten objects per scene. Binary only. Author: Ronald Peterson FF146

**C64Emul** An April Fools spoof. Turns your Amiga into a C64, or at least makes it look that way. With source. By Eddy Carroll FF216

**CacheCard** An accessory to SetCPU for use with A2620 cards or 68030 systems. It modifies the MMU table set up by SetCPU to selectively control caching for each expansion card. It's also an example of how an accessory program can track down and modify the SetCPU MMU table without having to read all kinds of MMU registers and figure it out for yourself. Version 1.00, includes source. Author: Dave Haynie FF233

**CacheDisk** Improves floppy disk throughput by caching entire tracks of data. Buffers disk reads and writes for maximum speed gain and has a user settable number of buffers for each drive. Version 1.0, binary only. Author: Terry Fisher FF462

**CAD** An object-oriented drawing program, version 1.2.4. Uses a small set of graphics primitives (like 'line', 'box', and 'text') and a small set of editing functions (like 'move', 'size', and 'rotate'). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. Shareware, binary only. Author: Tim Mooney FF74, FF59

**CAI:** A complete Computer Aided Instruction program with editor written in AmigaBASIC. Author: Paul Castonguay AC1

**Calc** A programmable calculator program with similarities to a hand-held RPN calculator. Can run either interactively or in 'script' mode by reading programs from a file. Version 1.0, shareware, binary only. Author: Bob Brooks FF103

**Calc** A shell style, command-line calculator. Calc does not have a fancy keypad display as many other calculator programs do. Instead, it is capable of taking its input from a file, the keyboard, or a command line and outputting its results to a file or the screen. It can also apply a single equation to all of the values stored in a file (or files). It handles all common mathematical expressions, can optionally predefine physical constants and store variables. Version 2.0, binary only. Author: Bill Dimm FF388

**Calc** A very nicely done scientific/programmer/plotter calculator. The scientific portion has most of the operations found on the more popular handhelds. The programmer portion has all the special hex/binary/decimal conversions as well as register operations like ASL, ROL, LSL, AND, OR, XOR, etc. The plotter portion will plot equations. Other features include 26 memories, full mouse or keyboard operation, pull-down menus, and iconization. V 3.0, binary only. by: Jimmy Yang FF210

**CalcKey** A basic four function, memory resident, pop-up calculator which uses only about 24K of memory and can automatically type the answer to any calculation into the program you were using when it was popped up. Version 1.0, binary only, shareware. Author: Craig Fisher FF235

**Calculation** Demo version of a solitaire type card game. The object of the game is to stack the cards into four ordered stacks, one that counts by one, another that counts by two, another that counts by three and another that counts by four. Version 1.0.2, binary only. Author: Steve Francis FF260

**Calendar** A program that generates calendars in any one of 10 standard formats for any year after 1900. Binary only. Author: Pierre A du Parté FF269

**Calendar** Appointment calendar which lets you visually add and update appointments. Can also run in background and remind you 15 minutes before any scheduled event. Amiga port by Bob Leivian FF34

**Calendar** Calendar/diary program written in AmigaBASIC. Author: Mark Hurst FF32

**Calendar.WKS** Lotus-compatible worksheet that makes calendars. AM18

**CaligariDemo** Demo version of Caligari 2.0 from Octree Software. Requires a 68020/68030 and a 68881/68882. Binary only. Author: Octree Software FF531

**Call Assembly language from BASIC:** Add speed to your programs with Assembly. Author: Martin F. Combs. AC8

**callopie** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Calls** A little utility to help analyze the flow of a C-program by laying out the functions called in a hierarchical manner. Author: Originally from Usenet with major revisions by Kevin Braunsdorf, Amiga port by George MacDonald FF160

**CalorieBase** A program designed to provide a caloric and fat count for recipes which do not provide this information. It can also quickly give the calories for a

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specific food or total the calories you consume throughout the day. Version 1.1 binary only. Author: Mike Richan FF568

**CanDoDemos** Demos of the capabilities of CanDo an interactive software authoring package utilizing graphics sounds buttons menus etc and a powerful easy to use scripting language. Binary only. Author: INOVAtronic FF565

**Canon PJ-1080A** Printer driver for the Canon PJ-1080A. AM9

**CanonBJ** A printer driver for the Canon BJ series of printers. Faster and supports more graphic and text modes than the standard Commodore driver. Shareware, binary only. Author: Wolf Faust FF446

**CanonLBP** Canon laser printer driver package containing WB driver extra preferences program for additional options (landscape copies margins timeout etc) PageStream drivers FontShop program automatic font download free definable papersizes and full support for Workbench 2.0/2.1. Version 1.01 fully functional demonstration version binary only. Author: Wolf Faust FF625

**canvas** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Car** A two-dimensional full screen scrolling racing game with realistic four channel stereo sound and overscan, for either NTSC or PAL Amigas. The goal is to guide your car around one of ten selected tracks. Each track has its individual high score list. Version 2.0, binary only. Author: Anders Bjerin FF336

**Car** This animation is one of Allen's entries to the Badge Killer Demo Contest. It apparently is an inside joke relating to a well known Amigan's experience with a certain highend graphics hardware manufacturer. Author: Allen Hastings FF123

**car horn** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**cardco** Text file of fixes to early Cardco memory boards. AM12

**cardfi** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**CardFile** Simple card file database program. ABasiC AM1

**CardFile** Study aid card file program written in AmigaBASIC. Useful for organizing small blocks of data, such as can be done with a 3X5 card file system. Binary only. By James Parks FF90

**CardMaker** A programmer's aid for creating card image data that can be used in any card game that uses the standard 52 card deck. This is version 2.1, an update to version 1.0 on disk number 184. Contains bug fixes and support for AmigaBASIC. Binary only. Author: Terry Gintz FF375, FF184

**Cards O' Rama** A simple game that let's you push your memory. It is played with a deck of 32 cards, grouped in 16 pairs. The cards are shuffled and then displayed at the beginning of each game. Your goal is to pick up as many pairs as you can, until there are no cards left on the screen. V1.0, includes source. By Werther Pirani FF186

**Cartoon** HiRES Color fantasy humor FF72

**caseconvert** Modula-2 program which converts Modula-2 keywords to uppercase. AM11

**Casino** Games of poker, blackjack, dice, and craps. ABasiC program. AM3

**Cass** Cassette Cover Printer V1.1 is a program to make cassette labels. It produces either the usual ASCII-character-labels or a source-text that can be fed to LaTeX. Written in Maxon's Kick-Pascal source included. Author: Jörn Clausen FF579

**CassEti** Cassette tape label printer. Includes source in GFA Basic. Author: Thorsten Ludwig FF346

**Castle** A simple graphics adventure game suitable for beginners. Binary only, but source available with a small donation to the author. Author: H. James Fox FF174

**Cathy** A HAM picture of a pretty girl FF72

**CBBS** A W0RLD-like BBS system for use in amateur radio. Originally written for IBM-PC compatibles, it was ported to the Amiga by Pete Hardie. This is version 6.71a, an update to Version 6.1c on disk 241. Binary only, source available from Pete Hardie. Authors: Hank Oredson, the CBBS group, Pete Hardie FF415, FF241

**CBDump** This is a CLI utility for those who are working with the Amiga's clipboard device. It's sole purpose in life is to dump the current contents of the clipboard to stdout or by redirection to a pipe or a file. Useful for testing and interfacing with programs that do not support the clipboard. Source included. By: Stephen Vermeulen. FF326

**Cc** C compiler front ends for Manx and Lattice C, developed independently by Jay T's. These automatically filter off the annoying banner messages from various passes of the compilers Author: Jay T's FF43

**cc** Aid to compiling with Lattice C. AM1

**cc** nix-like front end for Lattice C compiler. Author: Fred Fish FF2

**CCLib** An implementation of the standard C runtime

library, with a few extra goodies thrown in. Supports a large number of functions including stream I/O, low-level I/O, string, memory, linked list, sorting, time, process control and more. Version 3.0, includes source and several utility programs. Author: Robert W. Albrecht FF399, FF260

**CCutlits** Eight small CLI utilities that use the cclib library shared library. Includes a program to display disk usage on your menu bar, a program to check the integrity of IFF files, a program to remove shared libraries from memory if they are not being used, and more. Binary only. Author: Robert Albrecht FF286

**CDecl** English to C (and vice versa) translator for C declarations. This little gem will translate english such as 'declare foo as pointer to function returning pointer to array 10 of pointer to long' into 'long (\*(foo)) [10]', and vice versa. Update from version on FF114. Includes source. Author: Graham Ross with enhancements by David Wolverton, Tony Hansen, Meryl LeRoy, Udi Finkelstein and probably others! FF167, FF114

**Cell Animation:** Using cell animation in Modula-2. Author: Nicholas Cirsella AC5

**CELLS** A cellular automata experimentation lab, based on the rules described in the Computer Recreations column of the Scientific American, January 1990. Version 1.3. Source included. Author: Davide Cervone FF502

**CellScripts** Makes cell animation scripts for Aegis Animator, in AmigaBASIC. AM21

**CenterScreen** A commodity which centers the frontmost screen horizontally on hotkey. Useful if you normally operate with overscan screens and an old program opens a normal size screen. Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**cforth** A highly portable forth implementation. Lots of goodies. Author: Allan Pratt FF3

**Challenger** A freely distributable quiz program with 500 questions in this version. English and German version included. Version 1.0 binary only. Author: Udo Haisch FF622

**ChangeColors** A new palette tool to change the colors of the workbench or any other public screen. The feature of this tool is its font independence; it uses the font of the screen on which it opens, instead of insisting on topaz 8. Looks really great if you use any other font than topaz on your workbench screen. This is version 1.03. Includes german version. Binary only. Author: Stefan Sticht FF497

**Charon** Charon is Bradley's entry for the First Annual Badge Killer Demo Contest. The text of the demo was written by Lord Dunsany (long before the Amiga). Bradley created the illustrations and animation. The sound track is a traditional Scottish tune 'The Arran Boat'. by: Lord Dunsany (1915), Bradley Schenck (1988) FF198

**CheatSheet** A compilation of cheats, hints, backdoors, helpful bugs, passwords, codes, solves, and walkthroughs for over 150 Amiga games. February 1st, 1991 edition, an update to January 1st edition on disk 431. Author: Mark Shnayer FF456

**Check** A useful little utility for finding structural errors in C-source code. Many command-line options. Version 1.03, binary only. Author: Keith Elbertson FF160

**Check4Mem** Allows you to check from a batch file for a specified amount of memory with certain attributes. If the requirements are not met, a WARN returncode is generated. Version 3, update to the version on FF242. Binary only. Author: Jonathan Potter FF412, FF242

**CheckBook** Checkbook Accountant is a checkbook recording, balancing, budgeting, and analyzing program. Intended to be used as a companion to a checkbook register and not as a replacement, this program offers a simple way of balancing checkbooks, tracking bank transactions, and recording and analyzing budgeted transactions. This is version 2.0, an update to version 0.9 on disk 425. Some of the new features include: Sort, Move, Duplicate, Program Prefs, Recurring Transaction Groups, Statistics, and Search & Replace. AmigaDOS 1.3 or Release 2 required. Binary only. Author: Jeffrey R. Almasol FF515, FF425

**CheckIFF** Program to check the structure of IFF files and report any problems. Binary only. Author: Unknown FF81

**CheckModem** A program which provides for executing other programs from your startup file, if and only if there is actually a modem connected to the serial port. Author: Matt Dillon FF46

**CheckPrt** A small program for checking the presence of a parallel printer from within a script file. Update of version on disk 479. Now also includes two small tools to test the state of some lines of the printer port, to make it easier to find the source of printer problems. Binary only. Author: Tom Kroener FF521, FF479

**Cheetah** a picture of a cheetah. AM15

**CheetSheet** A compilation of cheats, hints, backdoors, helpful bugs, passwords, codes, solves,

and walkthroughs for over 150 Amiga games. January 1st, 1991 edition. Author: Mark Shnayer FF431

**Chemesthetics** Chemesthetics is a program that draws molecules using the calotte model. This means that atoms are drawn as bowls. Using this model even extremely dangerous molecules like dioxine look quite nice. Chemesthetics has an Intuition user interface can save pictures as IFF files and has many example files. This is version 2.10 an update to version 2.06 on disk 536. Includes source in C. Author: Joerg Fenin / Metalworx FF574, FF536, FF427

**ChemniMaTe** A program to make animations of chemical reactions with the purpose of recording it on a video tape. It is a programming language, containing expressions, nested loops, etc. It can handle molecules with in total up to 64 atoms, and lines between atoms. Works correctly under PAL. Version 0.8, examples and source (in DICE C) included. Author: Klaas van Gend. FF542

**Chess** A port of a chess game posted to Usenet. This is an update to the version first included on disk 96. It has been upgraded to use an Amiga Intuition interface. Version 2.0, binary only. Author: John Stanback; ported to Amiga by Bob Leivian Version 2.0 upgrades by Alfred Kaufmann FF205, FF96

**ChessTutor** Chess tutor is a program designed to introduce novice chess players to the basics of the game. Shareware, written in AmigaBASIC. Author: William Jordan FF269

**Child** Toddler digitized forever in Amiga history, an IFF picture. AM7

**ChinaChallenge** A game similar to Shanghai or Mahjong. The goal is to remove all parts of the pile, the so called Dragon, step by step. This dragon is composed of 120 different game pieces. You can always find four pieces displaying the same picture or chinese symbols. This is version II, an update to the version on disk 312. Changes include some bug fixes, unlimited undo, saving and loading of games, background music, title screen, etc. Binary only. Author: Dirk Hoffmann FF444, FF312

**CHIP8** CHIP8 is a programming language popularised by the RCA COSMAC VIP, DREAM 6800, and ETI-660 hobby computers. It is one step up from machine code (actual hex codes), yet allows the creation of some very simple, very small games. Version 1.1, includes assembly source and some demo games. Author: Paul Hayter FF537

**ChkFrag** A program that reports on the extent of file fragmentation in any specified directory tree. Binary only. Author: Timeus FF519

**Chop** A program which uses a hotkey to chop a displayed screen down to a temporary maximum of 4 planes in lo-res or 2 planes in hi-res, allowing the processor full speed access to chip memory. Only the displayed screen is affected, the program painting the screen continues to work with the full color palette. Unchopping the screen puts everything back to normal. Version 1.0, binary only. Author: Nico Francois FF302

**Chop** Truncate (chop) files down to size, C program in C source code and executable. AM3

**Chord** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**CIATimer** Two versions of ciatimer routines to provide precise timing for applications requiring a high-accuracy real-time clock. Includes source and a sample executable. By Karl Lehenbauer, based on the original version by Paul Higginbottom FF178

**cinclude** Text file cross-reference to C include files. AM12

**circle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Circles** A circles pattern generator, reminiscent of one of the early Amiga demos. Version 1.1, includes source in C. Author: Joel Swank FF304

**CirclesUp** A simple little two player game where circles fly into the playing area from both sides of the screen. When each player presses his corresponding ALT key they fly to the top of the screen and stop moving when they hit another circle or the border. The object of the game is to connect a specified number of circles of the same color. Version 1.0 includes source. Author: Jason Lowe FF592

**CirPlane** A circular plane generator for VideoScope 3D. Generates a clockwise circular polygon with the specified number of vertices. Used, for example, to cap a cylinder or to generate surface detail. Version 1.0, with source. By Thad Floryan FF101

**CITAS** Convert ILBM To Assembler Source. CITAS allows one to easily put graphics into his/her own programs. CITAS takes a standard IFF ILBM image file and converts it into either assembler or 'C' source code. Designed for blitter image control, all of the necessary labels are generated, along with color map information, mask generation, and other options. This is version 2.0, shareware, binary only. Author: Max Bithead FF475

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Last Minute Additions

**claves** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Claz** Converts IFF picture files to POSTSCRIPT. Works with Amiga HAM pictures, as well as 'normal' pictures. Also includes scaling. Version 2.0, includes source. Author: Steve Ludtke FF87

**Claz2** Update of prog to convert IFF images to PostScript files for printing on laser printers. AM26

**Clean** A small program written in assembly code, to be used in conjunction with a cleaning disk, to clean your floppy drive heads. Version 1.0, includes source. Author: Dan Burris FF297

**clean** Executable program, spins the disk for disk cleaners. Documentation included. AM12

**Cleanup** Removes strange characters from text files. C program. AM3

**Clear** Fills unused areas of memory with a specific byte pattern. FF105

**Cled** A simple command line editor which allows you to edit your commands before and after they are processed. Uses the arrow keys and simple control sequence keystrokes for cursor positioning and editing tasks. Update to version on FF74, this is version 1.4, binary only. Author: Pat Empleo FF81, FF74

**CLI-Colors** A simple little program to change the colors of the border around a CLI window. Includes source in assembly code. Author: Michael Sinz FF248

**CLI Utilities** This directory contains several subdirectories with small utilities, collected from various sources, that are only usable from the CLI. See the Readme file for further information. Some include source. Author: Various FF162

**ClibSave** A small hack for saving the actual contents of the clipboard (unit 0) to a file. It may only be used from shell. This is version 0.1 includes source. Author: Uwe Röhm FF595

**CLICard** Text file of a reference card for AmigaDOS CLI. AM1

**ClickDOS** A 'directory utility' type program which is reasonably small, uses a single window on the Workbench screen (which can also be iconified), does not rely on other programs for most of its functions, and is very memory efficient. This is version 1.10, binary only. Author: Gary Scott Yates FF276

**ClickToFront** extends the user-interface so that a double-click into a window brings it to the front. Now as long as you can see any part of a window you can bring it to the front without having to hunt for the page gadgets. Version 1.1, includes source. Author: Bryce Nesbitt FF86

**ClickUpFront** ClickUpFront is another program, similar in function to the ClickToFront program from disk 86, that allows you to bring any window to the front simply by double-clicking in any part of it. Version 1.0, includes source. By Davide Cervone FF94

**CLIClock sClock, wClock** are window border clocks. Source code, executable program, and documentation. AM14

**CLICommands** Text guide to using the CLI. AM1

**CLIcon** Allows you to run cli programs from the workbench, similar in operation to IconExec, but more versatile. Author: Bryan Ford FF167

**CLIXe** An Xlcon style program which uses parm.library. It allows you to execute a script starting from WB and is completely CLI compatible, because it is a CLI. Can use a real script file or take commands in its own TOOLTYPES. Includes source in C. Version 1.0. Author: Sylvain Rougier FF540

**CLImax** A command like NewCLI or NewShell except that it creates a borderless CLI or Shell window on a custom screen. Now you can use the whole display just like a non-windowing computer. Requires ConMan 1.3 or newer. Release three, vastly improved over the first release on disk 224. Includes source. Author: Paul Kienitz FF429, FF224

**ClipBoard** Clipboard device interface routines to provide a standard interface, such as Open, Close, Post, Read, Write, etc. Author: Andy Finkel FF56

**CLIPrint** An example of printing to the CLI from assembly code. Includes source (of course). by: Jeff Glatt FF237

**CLIsizer** A little hack to allow you to easily resize the WorkBench screen from any CLI or Shell window. Version 1.0 includes source. Author: Torsten Jurgeleit FF562

**clist.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**CLiwindow** CLiwindow allows you to manipulate the dimensions of a CLI window. It can be moved, enlarged, or shrunk. This is version 1.00. Includes source in assembly. Author: Roger Fischlin FF437

**Cload** An AmigaBASIC Program to convert CompuServe hex files to binary. Source code and documentation included. AM8

**Clock** Another clock program, comes in several flavors depending upon features desired, which include using alternate fonts, using alternate colors, setting the time, etc. Binary only. Author: Mark Waggoner FF59

**Clock** Two programs to put clocks on the WB screen. The executables are small (2Kb) and take little processor time (1.5%) to run. Version 1.4. Both programs require ARP. Source in C is included. Author: Stuart Mitchell FF416

**Clock** Updated version of the clock program released on FF15. Adds seconds display, free memory display, and faster updates Author: Mike Meyer FF36, FF15

**Clock V1.00** Simple clock, configurable with config. FF168 & 169

**ClockDJ** A utility which combines a clock, mouse accelerator, screen blanker, window manipulator, function keys, and macros into a single program, written in assembly language for maximum efficiency. Includes an ARexx port. Version 5.02, an update to version 4.07 on disk 293. Binary only. Author: David Jenkins FF529, FF293

**CloneCmdKeys** A commodity that maps the AmigaDOS 2.04 Shell's CUT and PASTE commands to any keys. By default CloneCommandKeys will make LEFT-amiga-c act as COPY and LEFT-amiga-v will act as PASTE. Alternately you can specify any key-mapping you like by using ToolTypes. Requires AmigaDOS 2.04. Version 1.0 includes source. Author: John Lindwall FF608

**CloseMe** Another ingenious perversion in the screen hack category. Don't miss this one...surely destined to become a classic! Includes source. Author: Charlie Gibbs FF167

**CloseWB** Simple program for use with MWB (also on this disk) to close a current WorkBench screen, and let you open WorkBench on a custom screen. Author: Matt Dillon FF65

**Cloud** A program that generates and displays fractal surfaces that look remarkably like clouds. Based on ideas from the book 'Fractals' by Jens Feder. Binary only. Author: Mike Hall FF216

**CLS** Clear Screen Command made for the purposes of being SMALL, and thus not wasteful of memory when made memory resident, it consists of 96 bytes of memory on disk! Includes source in assembly. Author: Bill Nelson FF237

**cls** A screen clear and CLI arguments example in Assembly. Executable and source code. AM11

**Clue** Clue board game. Nice. Author: Greg Pryor FF45, AM8

**CM** A celestial mechanics simulator with an Intuition interface. You construct a layout of celestial bodies and specify various parameters for the bodies and the simulation. CM then animates the bodies according to the laws of gravitational attraction. Setups may be saved to disk to later reinact interesting scenarios. Version 1.0, includes source. Author: W. John Guineau FF280

**CManual** Parts 1 and 2 of a complete C manual for the Amiga which describes how to open and work with Screens, Windows, Graphics, Gadgets, Requesters, Alerts, Menus, IDCMP, Sprites, VSprites, AmigaDOS, Low Level Graphics Routines, Hints and Tips, etc. The manual also explains how to use your C Compiler and gives you important information about how the Amiga works and how your programs should be designed. The manual consists of 15 chapters together with more than 100 fully executable examples with source code. When unpacked, the manual and examples nearly fill up four standard Amiga floppies. This is version 2.0, an update to version 1.0 on disk 337. Because of its size, it is distributed on two library disks, parts 1 and 2 on disk 456 and parts 3 and 4 on disk 457. Author: Anders Bjerin FF456, FF337

**CManual** Parts 3 and 4 of a complete C manual for the Amiga which describes how to open and work with Screens, Windows, Graphics, Gadgets, Requesters, Alerts, Menus, IDCMP, Sprites, VSprites, AmigaDOS, Low Level Graphics Routines, Hints and Tips, etc. The manual also explains how to use your C Compiler and gives you important information about how the Amiga works and how your programs should be designed. The manual consists of 15 chapters together with more than 100 fully executable examples with source code. When unpacked, the manual and examples nearly fill up four standard Amiga floppies. This is version 2.0, an update to version 1.0 on disk 337. Because of its size, it is distributed on two library disks, parts 1 and 2 on disk 456 and parts 3 and 4 on disk 457. Author: Anders Bjerin FF457, FF337

**Cmd** Cmd redirects the serial.device or parallel.device output to a file. Useful for capturing print jobs for debugging or 'offline' printing. Version 4, includes source. Author: Carolyn Scheppner FF95, FF86, FF79

**CMP V1.00** Utility to compare two files FF168 & 169

**CNewsBin** This is part 1 of a C News distribution for the Amiga. This part includes all the binary and text files necessary to set up and run C News. Part 2 is available on disk 473 and contains the source. C News uses UUCP, such as Matt Dillons implementation (see disks 479 and 480) or that included with this software's previous version (disk 319). This package has been reworked and now includes a newsreader, AmigaRN (Sharware). All major (and a few minor) features of Unix C News are implemented. The Author refers to this as release 15-Dec-90, an update to the original version on disks 318 and 319. Author: Various. Amiga port by Frank Edwards FF472, FF318&FF319

**CNewsSrc** This is part 2 of a C News distribution for

the Amiga. This part includes all the source for C News. Part 1 is available on disk 472 and includes all the binary and text files necessary to set up and run C News on the Amiga. CNews uses UUCP, such as Matt Dillons implementation (see disks 479 and 480) or that included with this software's previous version (disk 319). This package has been reworked and now includes a newsreader, AmigaRN (Sharware). All major (and a few minor) features of Unix C News are implemented. The Author refers to this as release 15-Dec-90, an update to the original version on disks 318 and 319. Author: Various. Amiga port by Frank Edwards FF473, FF319

**cnvapldhm** Executable program that converts Apple ][ low, medium and high res pictures to IFF. With documentation AM12

**CodeDemo** Modula-2 program converts assembler object files to inline CODE statements and a screen scrolling example AM24

**ColorArt** Art drawing program in AmigaBASIC. AM8

**ColorCatch** A utility that lets you grab colors from a screen and save them as an executable file. This is version 2.0, an update to version 1.0 on disk 396. Includes source in assembler. Author: Preben Nielsen FF543, FF396

**colorcircles** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**colorful** Shows off use of hold-and-modify mode. Posted to usenet by Robert Pariseau. FF1

**ColorReq** A color palette library callable from any program. Used to adjust the colors of any screen. Automatically adjusts to screen size, number of colors. Has many features including SPREAD, COPY, UNDO, RGB, HSV, as well as customizable gadgets. Binary only. Author: Jeff Glatt and Jim Fiore FF257

**ColorReq** Describes the update to the color.library and has an example program, with source, that demonstrates its use. Author: Dissidents Software FF348

**Colorsamples** A few executable color samples made by ColorCatch from disk 396. Contains the 'old' colors from kickstart 1.3 and the 'new' colors from kickstart 2.0. Very useful because some programs/icons look awful when displayed in colors other than the ones they were created for. Author: Preben Nielsen FF483

**ColorTools** Three tools that manipulate the colors of your screen. Binary only. Author: Dieter Bruns FF323

**Colour** A program to manipulate the colors of specific named screens, saving their current color sets to data files, loading new color sets from data files, or interactively changing the colors. Includes source. Author: John Russell FF126

**Colourscope** A shareware program that shows different graphic designs. Author: Russell Wallace AC5

**ColumnSet** A text filter program that takes as input a file with one word per line and produces a file with these words laid out in the same order in even columns, as many as will fit across the output screen or page with at least one space between columns. Includes source in Modula-2. Author: Kent Paul Dolan FF270

**Comal** Demo of AmigaCOMAL (missing only SAVE), an incremental p-code compiler from Denmark. COMAL is a language with the design goal of combining the modern structured approach of Pascal with the ease of use and interactivity of BASIC. There are versions of COMAL for IBM, VAX, CP/M, C-64, Amiga and various European operating systems. Includes a complete turtle graphics package. Perfect for education yet powerful enough for applications programming. V2.0, binary only. By Svend Dagaard Pedersen Freddy Dan Dalgas Kristiansen FF296

**COMAL.h** Make C look like COMAL header file. In C source code, and documentation. AM19

**Comm** Source release for comm version 1.34. Last release on FF71 was binary only. FF75, FF71, FF67, FF48, AM17

**Commands** Shorter guide, in text, to AmigaDOS CLI commands. AM1

**Commodities** Commodities Exchange, an Amiga exec library which can be opened and used by application programs to gain access to input in a very flexible way. This is a 'minimal, binary only' copy. Source may be available on a future disk. Version 0.4. Author: Jim Mackraz FF87

**Commodore IFF** This is a copy of the official November 1988 Commodore IFF disk. All the files in the 'documents' directory are in zoo file 'documents.zoo' FF185

**Compactor, Decoder** Steve Michel AmigaBASIC tools. In C source code and documentation. AM20

**CompDisk** A disk compression/disk compression package which was written to be fast and easy to use. Includes an Arp and an Intuition interface. Includes source in 'C'. Author: Olaf Barthel FF353

**Compiler** An optimizing C compiler for the 68000. Has successfully compiled itself on a 68000 based UNIX system V machine, but has yet to be fully ported to the Amiga. It will currently produce assembly output for simple C routines on the Amiga, but needs lots of work to be really useful as anything other than a learning tool. By Matthew Brandt FF53

**Compress** Compress reduces the size of the named files





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**Modula-2.** Author: Jurgen Weinelt FF537, FF464  
**CrossDOS** A 'tryware' version of a mountable MS-DOS file system for the Amiga. This is a software product that allows you to read and write MS-DOS/PC-DOS and Atari ST formatted disks (Version 2.0 or higher) directly from AmigaDOS. This tryware version is a 'readonly' version, which does not allow any writes to the disk. A fully functional version is available for a very reasonable price from CONSULTRON. This is version 4.00b, an update to version 3.05b on disk 252. Binary only. Author: CONSULTRON, Leonard Poma FF382, FF252, FF240

**CrossFade** Interesting screen hack that smoothly crossfades between screens. Includes source. Author: Dallas J. Hodgson FF572

**Crunch** Removes comments and white space from C files, in source code and as an executable, a C program. AM8

**Crunchy Frog II:** Adding windows and other odds and ends. Author: Jim Fiore AC10

**CryptoKing** A game for those who like to solve Cryptograms (those coded sentences that have to be decoded to be read). Operate with keyboard or mouse. Version 1.0 binary only shareware. Author: Robert Bromley FF609

**Cryptor** A program that encrypts and decrypts data (files). It uses a mathematical algorithm with password key protection. Has both English and German versions and documentation. This is version 1.0, binary only. Author: Thomas Schossov FF480

**Crystals** A computer simulation of three-dimensional crystal lattices which permit you to observe stereoscopic views of any of the fourteen Bravais lattices with a variety of orientations while rotating and positioning them in real time. The frame rate is between 10 and 30 frames per second depending upon the options selected and the Amiga being used. It is primarily intended for educators and students in physics chemistry and geology. It is most suitable for use in conjunction with a course in solid state physics or a course in crystallography. Version 2.15 shareware binary only. Author: David McKinstry FF590

**Csh** Replacement for the Amiga shell similar to UN\*X csh. Main features include over 100 built in commands 70 functions new system variables file name completion freely programmable command line editing file classes auto cd lazy cd intuition menus for the shell window automatic RX-ing local variables \$() statement blocks high speed plus much more. This is version 5.19 an update to version 5.15 on disk 512. Includes source. Author: U. Dominik Mueller C. Borreo S. Drew M. Dillon FF624, FF512, FF458, FF331, FF309, FF223, FF199, FF145, FF107, FF85, FF55, FF48, FF41, FF36

**CSquared** Implementation of Circle Squared algorithm from Sept '86 Scientific American 'Computer Recreations' column. Produces wildly colorful but mathematically precise patterns. By Bill DuPree FF38

**Ct** An Amiga program to display images from a CT scanner, along with several new interesting sample images of scans of real people. The display software, though it has a primitive user interface, is quite powerful, including functions like convolutions, averaging, laplacians, unsharp masking, edge detection, gradients, etc. This is version 2.2, an update to the version on disk 137. Binary only. Additional image disks available from author. Author: Jonathan Harman FF235, FF137

**CTags** Create a tags file from the specified C, Pascal, Fortran, YACC, lex, or lisp sources. A tags file can be used by a cooperating editor to quickly locate specified objects in a program's source code. Berkeley V4.7, with source. By Ken Arnold, Jim Kleckner, and Bill Joy Ported to Amiga by G. R. (Fred) Walter FF197

**CType** Another text file reader, but this one is small, reasonably fast, and includes bi-directional scrolling, search, go to a given percentage, and printing capabilities. Version 1.0, includes source in assembly. Author: Bill Nelson. FF237

**Cube4** A 3-dimensional version of 'zeros and crosses' on a 4x4x4 board which can be inspected from all sides. It is possible to change the skill of the computer game take back moves change sides and abandon. Version 1.2.1 binary only. Author: Joachim Tuckmantel FF594

**cubes1** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Cucug** This animation of the Champaign-Urbana Commodore Users Group logo was submitted to the 1988 Badge Killer Demo Contest by Ed Serbe. FF213

**Curses** A link library containing many of the terminal independent standard 'curses' functions. Designed primarily for those interested in porting UNIX screen based programs to the Amiga. Version

1.22, an update to version 1.10 on disk 391. Includes source and examples. Author: Simon John Raybould FF439, FF391

**Cursor** A 3-pass BASIC Compiler for BASIC programs written in AmigaBASIC, does not yet support all of the BASIC commands but is able to compile itself. This is version 1.0, includes source. Author: Jurgen Forster FF347

**CustReq** A glorified ASK command for your startup-sequence. It generates a requester with the specified text, positive and negative gadgets (either of which can be the default), and an optional timeout value. This is version 4, an update to the version on disk 242, binary only. Author: Jonathan Potter FF412, FF242

**CutAndPaste** Public domain implementations of the UNIX cut and paste commands. Includes source Author: John Weald FF97

**cutpaste** One of the many basic programs from FF13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**CWDemo** Demo version of a pop-up utility to control the color register assignments of Intuition custom screens. V3.2, an update to FF238. Binary only. Author: Kimbersoft FF283, FF238

**CWeb** A programming tool that allows you to program top down by splitting your program into many small and understandable modules which change tangles into a compiler understandable file. By apply cweave to the program you can produce a pretty-printed listing for processing with TeX. This is version 2.0 includes source. Author: Donald Knuth Silvio Levy port by Carsten Steger FF551

**CWToy** A program like Say or SpeechToy that allows your Amiga to communicate in International Morse Code. A lot of nice features for code practice or with a simple hardware interface even useful as a keyboard program for your transmitter. Version 1.0, includes source in C. Author: Rob Frohne FF517

**Cycles** A simple but enjoyable game apparently inspired by the cycle game in the movie 'Tron'. Version 1.0, binary only. Author: John G. Gilmore FF78, AM22

**CyclicSpace** A Griffithian cyclic space generator program. Implements a cellular automaton as described in the August 89 issue of Scientific American. V 1.42, includes source in assembly code. Author: A. J. Brouwer FF255

**Cycloids** An updated version of the hypocycloids (electronicspirograph) program first released on FF27. By Terry Gintz FF49

**CygcCnc** An ARExx programming tutorial. Author: Duncan Thomson. AC11

**CygnusEdDemo** Demo version of CygnusEd, an editor from CygnusSoft Software. CygnusEd supports simultaneous editing of multiple files, multiple views of the same file, very fast display, margins, word-wrap, status-lines, insert/overwrite mode, online help, soft scroll borders, screen overscan, adjustable tab size, macros, text formatting options, block/line/word cut/copy, and more. Also includes demo 3.0 version of MandFXP Binary only. Author: CygnusSoft Software FF95

**Cyrillic** Cyrillic (Russian) 12-point font. Author: Elaine and Timm Martin FF427

**CyrolUtils** Four handy animation utilities from Cryogenic Software. Includes an animation creation tool that allows you to combine selected pictures into a standard animation, an animation information tool that is used to extract certain information from a given animation, an animation combining tool that allows you to join two animations into a larger one, and an animation splitting tool that allows you to split one animation into two smaller ones. Binary only. Author: Cryogenic Software FF428

**CZEd** A complete midi package for use with all Casio CZ synthesizers. Contains a full fledged sound editor, a splitsimulator for CZ-101/1000/2305, a bank loader and a memory dump for CZ-1. This former commercial package is now shareware. Binary only. Author: Oliver Wagner FF323

**D2D-Demo** Demo version of Disk-2-Disk from Central Coast Software (submitted by George Chamberlin). Binary only. Author: Central Coast Software FF82

**D110EdDemo** Demo version of an editor for Roland D-110. Bulk dump is available. Edited parameters are not submitted to Roland D-110. Author: Dieter Bruns FF515

**dadc** A digital computer impersonating an analog clock impersonating a digital clock. Author: Perry S. Kivolowitz FF6

**Daisy** Example of using the translator and narrator devices to make the Amiga talk. It is written in C. AM24

**Dan Kary's** C structure index program. In C source code and executable. Documentation included. AM14

**Dance** These two programs, 'dancing polygons', are John's entry to the Badge Killer Demo Contest. They are variations of one another, but demonstrate the range of colors available on the Amiga. Includes source. Author: John Olsen FF126

**Dark** A small graphics and animation demo. Includes source. Author: Phil Robertson FF162

**dart** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Dasm** A multipass, symbolic, macro assembler for multiple target machines, including 6502, 68705, 6803, and 6811. Supports conditional assembly, addressing mode overrides, arbitrary number of named segments, pseudo-ops for repeat loops, data generation, etc. Version 2.12, includes source. Author: Matt Dillon FF287, FF169, FF167

**DataEasy** An easy-to-use data base program which includes a phone dialer, speech output, a simple screen editor for making and modifying the database definitions, a screen print function, form letter printing, sorting, searching, and two small sample databases. Version 1.3, an update to version 1.1 on disk 417. Binary only, source available from author. Author: J. Dale Holt FF526, FF417

**DataPlot** A program that plots data and algebraic functions in 2D. The user simply clicks on an option screen to select various options such as type of marker log or linear axis auto vs manual scaling gridlines. The macro language makes similar repetitive plots easy to do. Data points can be transformed by an algebraic function prior to plotting. A macro can be automatically executed upon startup-up. Plots in any resolution from 320x200 to 640x400. Plots can be saved as macro commands and IFF ILBM files. Prints directly to Epson compa- tible printers or to any Preferences supported graphics printer via the PLT: device. This is version 2.16 which now includes a Legend command and is now freeware. Fixes several bugs including the optimizer for DrawFunction. Update to version 2.1 on disk 532. Source available from the author. Author: J. Dale Holt FF575, FF532, FF121

**DataPlot** DataPlot is a very special function 'plotter'. It does not really plot the data but it creates a '.dat' file containing the function which you typed in and the corresponding values that have been calculated. The '.dat' file can then be read in by 'MultiPlot' (from AmigaLibDisk 467) so that you can manipulate the data with much more powerful functions than most normal function plotter programs offer. This is version 1.00. Public Domain. Source in C included. Author: Stefan Zeiger FF584

**DataToObj** A utility to convert raw data files (sprites, image data, text, etc.) directly into object code which can then be linked to the main program without the need to go through the compiling process. Includes source. Author: Werner Gunther FF172

**date** One of the basic progs. on FF13 Grab Bag. It is not certain which of the two early basics this program used. FF13

**DateRequester** A module that provides Intuition based support for soliciting a date value from the user. It supports both point-and-click selection of date values and direct entry of the individual components. It also includes a standalone ARExx driven date requester program which can be called from ARExx macro files. Includes source. Author: Mark Rinfret FF276

**Day2Day** A small program which can calculate the number of days between two dates. Very useful, if for example, you want to know how many days you have been alive. This is version 1.0. Includes source in assembler. Author: Preben Nielsen FF543

**Dazzle** A Graphics demonstration which produces patterns based on mouse movements. Executable program. AM9, FF15

**Dbuf.gels** Sample program that demonstrates the animation routines for Bobs and VSprites. Uses double buffering to smooth the display motion Author: David Lucas FF33

**DBuff** Source code with a small demo. to implement double buffering by adding a second ViewPort to an Intuition screen. Version 1.0 includes C source. Author: Andrew Martin SciTech Software FF599

**Dbug** Machine independent macro based C debugging package. Provides function trace, selective printing of internal state information, and more. This is an update to the version released on disk 102, and now includes a machine independent stack use accounting mechanism. Includes source. Author: Fred Fish; profiling support by Binayak Banerjee FF232, FF102, FF41, FF2

**DC** A handy program for people who use an Amiga 1020 5 1/4 inch drive as an AmigaDOS floppy. A Workbench program that sends a DiskChange signal to the operating system. Instead of typing "diskchange d12:" over and over again, just click on the icon. C source included. AM26

**DC10** An AmigaBASIC DC-10 instrument flight simulator. Appears to be quite in-depth with flight-planning and take-off options along with an extensive documentation file. Requires rebuilding on a separate disk and was successfully done so by following the author's instructions in the ReadMe\_First file. Author: Jan Arkesteijn FF150

**DCDemo** A demo version of DiskCat 2.3, a disk catalog program. Demo is limited to cataloging 100 files at a

# Freely Redistributable Software

time. Binary only. Author: Ed Alford, MicroAce Software FF98

**DClock** A Dumb Clock utility that displays the date and time in the Workbench screen title bar. Includes an ARexx interface. This is version 1.29, an update to version 1.27 on disk 388. Includes source. Author: Olaf Barthel FF398, FF388, FF325, FF298

**DCmd** A utility that monitors a CLI's console IO and copies it to a user specified file. The console IO is unaffected by this monitoring. Version 1.00, includes source. Author: Matthew Dillon FF408

**DeafLab** A program which translates text into hand signs for the deaf. Can be used to directly communicate with a deaf person that has trouble reading text, or used as a teaching tool for learning handsigning. Version 1.7, shareware, binary only. Author: Gary Creighton FF494

**Debug** A symbolic debugger for the Amiga. Features include symbolic disassembly, simple expression parsing, multiple breakpoints, memory fill, memory dump, single step in trace mode, skip over subroutines, etc. V2.10, binary only. Author: Jim Thibodeau and Larry LaPlume FF251

**DeciGEL** An assembler program for stopping 68010 errors. In C source code and executable program. With documentation AM9

**Decigel** A software fix for programs that use instructions which are privileged on the 68010/020/030. Update to the version on disk 18. Includes source in assembly. Author: Byrce Nesbitt FF454

**DeckBrowser** A freely redistributable player for unbound CanDo decks. Version 1.5, binary only. Author: INOVATronics FF530

**decvnt** Opposite of CONVERT for cross developers. C program. AM1

**DeepSky** A database containing information on 10,368 non-stellar objects, 600 color contrasting easily resolved double stars, 70 stars for setting circles, and misc white dwarfs, red stars, binaries, etc. The database is distributed in zoo format, yielding 1.2Mb after extraction. V 5.0. By Saguro Astronomy Club FF219

**Defdisk** CLI utility to re-assign a new Workbench disk. In C source code and executable. Documentation included. AM18

**Degas.pic** A Degas dancer IFF screen. AM6

**Degas2.pic** A Degas dancer. IFF screen. AM6

**Degas3.pic** A Degas dancer. AM6

**Degas4.pic** A Degas dancer. AM6

**Degrader** Degrades your machine to try and get badly written programs to work. Locks out fast memory turns off cache and burst modes traps privilege errors forces PAL or NTSC modes etc. Survives reset. Version 1.00 binary only. Author: Chris Hames FF562

**dehex** Simple little program to convert hex format file into a binary file. Reads lines of hex characters on stdin and writes 8 bit dehex'd bytes to stdout. Author: Fred Fish FF10

**Deksid** A disk and file hexadecimal editor. Useful for editing binary files. Version 1.10, shareware, binary only. Author: Christian Warren, Marc Dionne FF441

**DeluxeBeep** A little program that uses the exec SetFunction call to play a sound sample of your choice whenever a program calls the Intuition DisplayBeep routine. Includes source and instructions on how to install your own sounds. Author: Jan van den Baard FF435

**DeluxeChanger** Converts binary files to assembler, basic, or C source code data initialization statements. It is useful to add graphics or sound samples to programs as initialized data. Version 1.0, includes source in assembler. Author: Andreas Ropke FF439

**DeluxeDraw** The drawing program from AC v1.3 in AmigaBASIC. AM8

**DEM** A program to compute mandelbrots via the Distance Estimator Method, as described in the book The Science of Fractal Images by H. O. Pietgen and D. Saupe. It is used to make high resolution black-and-white images. This is a batch mode type program so several images can be generated, one after the other, without any human interaction. Includes source. Author: Lars Clausen FF303

**Demo** Multiwindow demo. ABasic program. AM1

**DEMOLITION** Another neat little display hack. In the spirit of these things, ya gotta run it to find out what it does. Includes source. Author: Kriton Kyrimis FF89

**Demon** This program implements the Demons cellular automaton as described in the August, 1989, issue of Scientific American. Using extremely simple rules it exhibits rather complex behaviour. Includes source. Author: Lars Clausen FF303

**DevKit** A collection of C and ARexx language programs to facilitate the software development process. With DevKit, you can launch your compiler from within your editor, have the cursor positioned on your errors, look up the autodoc page for any Amiga function at a single keystroke, find a system structure within the include files, or find any function in the code you are writing. Version 1.2, includes source. Author: Peter Cherna FF297

**DevPatch** A program that installs a patch for

OpenWindow to check the NewWindow structure. If the title matches a specific string, the height will be forced to 45 pixels. This helps to reduce chip memory usage for programs that open overly large windows and then seldom use them. Includes source. Author: Jorrit Tyberghien, Nico Francois, P. Marivoet FF332

**DevRen** A DEVICE RENamer, originally designed to allow the renaming of an external drive on an A2000 (always recognized as DF2) to be DF1: However, works with any mounted device such as RAD: RAM: RAW: CON: etc, as long as the original and renamed version have the same character length. Version 1.5, includes source. Author: Stefan Rosewig FF378

**Devstat** Assembly code example of locating and listing information about all mounted devices. Includes source. Author: Fabrice Lienhardt FF292

**dex** Program to extract documentation in a human readable format inside source files, and produce nroff style output for manuals and other such external documents. First ever public release. Author: Fred Fish FF14

**DezHexBin** An intuition based programmers tool to convert integers between decimal, hexadecimal, and binary. Very small. Version 1.1, includes source in assembly code. Author: Michael Djavidan FF321

**DFC** Disk Format and Copy program. A nice, general purpose, disk formatter and copier. This is version 5, an update to the version on disk 131. Includes source. Author: Tom Rokicki and Sebastiano Vigna FF447

**Dfc** Copies disks like Maurader, but multitasks. Replaces both diskcopy and format but is smaller than either. It even has a nice little Intuition interface. Includes source. By Tomas Rokicki FF131

**Dfrags** Disk Fragmentation reporting utility. Displays disk fragmentation for both floppy and hard disk devices. Does not attempt to change any data, just gives a report. Version 2.02, shareware, binary only. Author: Custom Services FF461

**DFrame** This utility helps you create animated bobs. It installs itself in DPaint II, after which you can draw each bob in DPaint II within its own frame and check the animation by calling DFrame from within DPaint. V1.02, binary only. By Jan Buitenhuis FF221

**Dg210** Data General D-210 terminal emulator. Suggested \$12 donation Author: Steve Lenz FF40

**DGCS** Deluxe Grocery Construction Set, simple Intuition-based prog for assembling and printing a grocery list. AM24

**dhrystone** Dhrystone benchmark program. Author: Reinhold Weicker (Ada version) Rick Richardson (C version) FF1

**DICE** Dillon's Integrated C Environment. A C frontend, pre-processor, C compiler, assembler, linker, and support libraries. Features include ANSI compatibility, many code optimizations, and autoinit routines (user routines called during startup before main is called). This is version 2.06.21, an update to version 2.06.15 on disk 466. Includes bug fixes and experimental dynamic object module loading support. Shareware, binary only. Author: Matthew Dillon FF491, FF466, FF443, FF359

**Dick2RAM** 2 programs to move the Scribble! spelling dictionary to and from the RAM disk. AM26

**DIED** A full-screen ANSI editor including an animation utility. Provides PAL and NTSC compatibility. Many useful features such as horizontal and vertical block cut/pasting operations, line/block/screen centering, save defaults and more. Version 2.4, binary only. Author: P-E Raue FF388

**DietAid** Diet planning aid to allow the user to compile lists of ingredients (recipes) and automatically compute calorie totals, etc. Update FF36. V3.1, binary only. By Terry Gintz FF179, FF36

**Diff** A simple version of diff. Update to version on FF75, includes source. Author: Erik Baalbergen FF87, FF75

**Diff** GNU diff and diff3 utilities, version 1.10. This version provides all the features of BSD's diff plus options to diff non-ASCII files, to ignore changes that just insert or delete blank lines, to specify the amount of context for context diffs, plus more. This version of GNU diff is part of the RCS package found on FF282. Includes source. By: Mike Haertel, David Hayes, Richard Stallman & Len Tower. Amiga port by Raymond Brand & Rick Schaeffer. FF281, FF231, FF138, FF107, AM11

**DiffDir** Compares the contents of two directories, generating a list of differences to the standard output. Detects files or directories present in one hierarchy but not the other, file attributes that are different (dates, flags, comments, etc), and differences in file size. Version 1.1, an update to FF188. Includes source. Author: Mark Rinfret FF281, FF188

**DiffSeed** Diff produces a difference file which lists the line by line differences between any two text files. These differences can be fed to seed (a stream type editor), along with the original text file, to remotely reproduce the other (new) file. Binary only. Author: Chuck Forsberg, Amiga port by Rich Schaeffer FF51

**Digitized Sound** Using the Audio device to play digitized sounds in Modula-2. Author: Len A. White AC3

**Diglib** An Amiga device independent graphics

library for fortran applications. This is an enhanced and debugged version of a public domain library, the development of which was sponsored by the US Government. This library is required for part of the Matlab package, also included on this disk. This is an update to the version on disk 267. Includes source in FORTRAN. Author: Hal Brand, Craig Wuest, James Locker, Mike Broida FF499, FF267

**dimensions** Programs to demonstrate three and four dimensional graphics. Not quite sure how else to describe them! Author: Anselm Hook FF14

**Din** A library that allows you to share image and text objects between programs. The din.library is ideal if you want to write an editor and a DTP program that can share text, or a drawing program and a DTP program that can share a brush. Requires AmigaDOS 2.0. This is version 1.0, some source included. Author: Jorrit Tyberghien FF414

**Dio** A module which makes it very easy to use EXEC devices, such as the 'serial.device'. It's generic and can be used with any EXEC device. It allows you to easily open libraries, get multiple IO channels for a device, read, write, do asynchronous operations, etc. Includes source. Author: Matt Dillon FF73

**Diplomacy** A classic strategy game loosely based on World War I. Designed for several players but can be played by as few as 2. The computer manages the game resolving orders and graphically displaying the current status. Also provides map design capabilities for game variants. Version 2.0 shareware binary only (source available from the author with shareware payment). Author: Steve Douthat FF582

**DirectoryOpus** A slightly disabled demonstration version of a powerful commercial directory utility. Very user friendly and configurable, with many features. Binary only. Author: Jonathan Potter FF412

**DirMaster** A very nicely done shareware disk cataloger, submitted by the author for inclusion in the library. This is version 1.1, an update to the version released on disk 108. Lots of neat new features and enhancements. Binary only. Author: Greg Peters FF130, FF89, FF108, AM26

**DirUtil** An enhanced version of the dirutil from FF35. Dirutil is a program to wander around a directory tree and perform various operations on files. Author: Chris Nicotra, enhancements by Johan Widen FF49, FF40, FF35, AM11

**DirUtil2** Another variant of dirutil. Author: Chris Nicotra, enhancements by Ed Alford FF35

**DirWork** A fast small efficient DirUtility. Configurable options and buttons as well as all the usual features. Comes with external configuration editor. This is version 1.43 an update to version 1.31 on disk 511. Shareware binary only. Author: Chris Hames FF570, FF511, FF508, FF406

**Dis** An AmigaDOS shareable library which implements a symbolic single-instruction disassembler for the MC68000 family and a program which uses the library to disassemble/dump AmigaDOS object files, making full use of symbolic and relocation information. With source code in Draco. By Chris Gray FF240, FF160, FF128

**Dis6502** A ported 6502 disassembler with support added for C64 binary files. Includes source. Author: Robert Bond, Amiga port by Udi Finkelstein FF170

**Disassem** A simple 68000 disassembler. Reads standard Amiga object files and disassembles the code sections. Data sections are dumped in hex. The actual disassembler routines are set up to be callable from a user program so instructions in memory can be disassembled dynamically. Author: Bill Rogers, Univ. of WAIKATO (New Zealand) FF27, AM3

**DisDF** Program to disable DF0-DF3 to stop that empty drive clicking by putting the trackdisk.device tasks in a removed state. Can be run from CLI startup script or WB. Command line options select drives and also remove the File System tasks to reduce CPU load a little more. This is version 1.1 an update to version 1.0 on disk 531. Includes source. Author: Patrick F. Misteli FF558, FF531

**DisEditor** This is a demo of the dissidents shareware text editor. Version 1.1, binary only. By Dissidents Software FF348

**DiskCat** catalogs disks, maintains, sorts, merges lists of disk files. AM15

**DisKey** A sector oriented disk monitor with lots of useful features like disassembler user-friendly ASCII and hex editing facility and extensive search options. Useful for salvaging data from damaged disks or for learning about the inner workings of AmigaDOS. Supports req.library and external disassembler libraries. Can be iconified to conserve memory. Comes bundled with German and English documentation and a multilingual user interface. On NTSC machines DisKey will be forced to interlace mode. The version on this disk is 2.1 shareware binary only. Author: Angela Schmidt FF564

**diskfont.txt** Warning of disk font loading bug. C pro-

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gram. AM4

**DiskFree** An small iconifiable intuition program that shows the amount of free space available on all mounted disk devices, both numerically and graphically. Version 1.0, shareware, binary only. Author: Dieter Kuntz FF324

**DiskHandler** A sample implementation of a file system that reads and writes 1.2 format diskettes. Includes source. Author: Software Distillery FF236

**diskio.c** Example of track read and write. C program. AM4

**Diskless Compiler:** Setting up a compiler environment that doesn't need floppies. Author: Chuck Raudonis AC3

**DiskLib** Two utilities for those people who like to split up PD disks into disks of different categories. Includes source. Author: Wilson Snyder FF154, AM19

**DiskMan** Another 'disk browser and/or dirutil' type program. Version 1.0, binary only. Author: Greg Cunningham FF82

**DiskMapper** Displays sector allocation of floppy disks. Author: Leo Schwab FF33

**Diskperf** A disk benchmark program which runs on both Unix and the Amiga. This is an update to FF48, with bug fixes and more reliable measurements of the faster read and write speeds available under the new Fast File System. By Rick Spanbauer, enhancements by Joanne Dow FF187, FF48

**DiskPrint** Prints disk labels (for 3.5' and 5.25' disks) primarily for FD library disks with the ability to create handle load and save label library files so labels for most FD disks are available after a few mouse clicks. Features include different label sizes intuition based directory- read-in label library functions and multiple print of any label or FD disk serie. Works fine with every printer connected to the parallel port and AmigaOS 1.2/1.3/2.0. This is version 3.4.3 an update to version 3.1.2 on disk 546. Both English and German versions. Shareware binary only. Author: Jan Geissler FF567, FF546, FF461, FF441, FF433, FF411

**DiskSalv** A disk recovery program for all Amiga file system devices that use either the Amiga Standard File System or the Amiga Fast File System. DiskSalv creates a new filesystem structure on another device, with as much data salvaged from the original device as possible. This is version 1.42, an update to the version released on disk 212. Binary only. Author: Dave Haynie FF251, FF212, FF177, FF164, FF20, AM8

**DiskSpeed** A disk speed testing program specifically designed to give the most accurate results of the true disk performance of the disk under test. Automatically updates and maintains an ASCII database of disk results for tested disks. This is version 4.1 an update to version 3.1 on disk 329. Includes source in C. Author: Michael Sinz FF574, FF329, FF288, FF251

**DiskTalk** A cute little program, like munchio on disk 137, which plays digitized sound samples when you insert or remove a floppy disk. Samples are saved as IFF sound files. Version 1.0, binary only. Author: Nico Francois FF302

**DiskWipe** Latest from Software Distillery, removes files from directories or disk drives, much faster than "delete." AM25

**DiskX** Nicely done Sector-based disk editor. Binary only Author: Steve Tibbett FF158, FF71

**DiskZap** Program to 'edit' a disk, sector by sector. Version 1.1. Author: Paris Bingham Jr. FF50

**Display** Graphics display program to display HAM images from a ray tracing program. Includes some really spectacular pictures Author: Dave Wecker FF39

**DispMod** One of the series of ROBBS (Rexx Object Building Block System) modules by Larry Phillips. DispMod is a display module that only understands ARexx messages. It allows, under program control, the display of text and the acceptance of keyboard data. V0.11. With source. By Larry Phillips FF326

**DisSecretary** This program can be used to file information in a 'file cabinet' type environment. It is well suited for jobs such as maintaining a disk catalog, or user group membership, etc. Included is a data file of the library catalog, disks 1 to 310. Version 'Wanda', binary only. By Dissidents Software FF348

**DissiDemos** Demo of Midi Sample Wrench, which provides pro sample editing features for owners of musical samplers. Version 1.1, binary only. Author: Jeff Glatt FF307

**Dissolve** A program like ViewILBM, but the image slowly coalesces as pixels are added in random patterns. Inspired by an article in Nov 86 issue of Doctor Dobb's Journal by Mike Morton. Includes source. Author: Lee Robertson FF73, AM15

**DisTerm** The dissidents telecommunication program. Has built in phone directory requester, autodial, various file transfer protocols, ascii send and capture, full/half duplex, split window, color requester, macro keys, selectable baud, CR/LF expansion, automatically configured per phone entry. Binary only. Author: Jeff Glatt FF462

**Dk** A little display hack, inspired by Leo's gems.

Written in Modula-2, includes source. Slightly newer than version on FF66. Author: Thomas Handel FF69, FF66, AM18

**DKBTrace** A freely distributable raytrace program that takes a text description of a 3D scene and renders it to a 24-bit file which may be converted to HAM or viewed on an 24-bit card. The program features sophisticated textures, constructive solid geometry, and various graphics primitives such as quadrics (cones, cylinders, etc.), spheres, planes, triangles, smooth triangles, and quartics (donuts, etc.) Also included are many sample data files and many utilities for creating new data files and for post-processing the output files. Source and executables are included. Because of its size, the distribution has been split onto two disks. Disk 513 contains the raytracer and disk 514 contains the utilities. This is version 2.12, an update to version 2.0 on disk 397. Author: David Buck FF514, FF513, FF397

**DM-Maps** IFF maps to the Dungeon Master game. All 14 levels are included. Author: Unknown FF240

**DMake** Matt's version of the UNIX make utility. Features multiple dependencies, wildcard support, and more. This is version 1.0, an update to version 1.0 on disk 246, but now includes source. Author: Matt Dillon FF440, FF246, FF179

**Dme** Version 1.45 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version 1.42 on disk number 441, includes source. Author: Matt Dillon FF530, FF441, FF284, FF168 & 169, FF153, FF134, FF113, FF93, FF87, FF74, FF59

**DmeAsm** A utility for those who use Matt Dillon's Dme editor and HighSoft's DevPac Assembler. DmeAsm is a CLI command file that takes your source code as a parameter and opens a window similar to the Assembler window inside Devpac (Genam2) and gives similar options. If no parameter is supplied then the window will still open and you can supply your own. Version 1.1, includes source in assembly Author: Nic Wilson & W Weber FF365

**DmeMacros** A set of DME macros which utilize templates to turn DME into a language-sensitive editor for C, Pascal, Modula-2, and Fortran. Author: Jerry Mack FF146

**DMouse** A versatile screen & mouse blander, auto window activator, mouse accelerator, popcli, pop window to front, push window to back, etc, widget. This is DMouse version 1.25, an update to version 1.24 on disk 407. Includes source. Author: Matt Dillon FF421, FF407, FF258, FF238, FF168 & 169, FF160, FF145, FF105

**DMS** Disk-Masher is a utility that allows users to compress and archive entire floppy disks. Offers four different types of compression, extended virus checking of boot blocks, and data encryption. Requires at least 512K of memory. This is version 1.01, binary only. Author: SDS Software FF406

**DNet** A link protocol that provides essentially an unlimited number of reliable connections between processes on two machines, where each end of the link can be either an Amiga or a Unix (BSD4.3) machine. Works on the Amiga with any EXEC device that looks like the serial.device. Works on UNIX with tty and socket devices. Achieves better than 95% average throughput on file transfers. V2.10.13. Includes sources for both the Amiga and Unix versions. By Matt Dillon FF294, FF220, FF145

**Do It By Remote:** Build an Amiga-operated remote controller for your home. Author: Andre Theberge AC9

**DocSplit** A program to split the 1.3 autodoc files into individual subroutine files. One file is created for each subroutine, with the name created by appending .doc to the subroutine name. Version 1.0, includes source. Author: Joel Swank FF304

**Doctor** A This animation of Amiguy on the basketball court is Marvin's entry to the 1989 BADGE Killer Demo Contest. The animation source (for SculptAnimate-4D) is available from the author. Author: Marvin Landis FF268

**Dodge** Short Modula-2 program moves the Workbench screen around after a period of time, prevents monitor burn-in. AM25

**dogstar** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DogsWorld** This animation is Charles' entry to the 1988 Badge Killer Demo Contest. by: Charles Voner FF212

**Dominos** The standard game of dominos with 6-6 set. The computer will provide quite a challenge to any skilled player. Version 1.0, includes source in Basic. Author: Russell Mason FF501

**DoPro** This program patches the intuition OpenScreen routine to change the ViewMode of a new screen eg. to open a NTSC instead of a PAL screen or to use Productivity instead of an interlaced display. In fact you can change most parameters in the NewScreen structure. This is version 1.5 includes

source. Author: Michael Illgner FF564

**DoRevision** This program implements easy creation of source code revision headers (very similar to the log headers to be found at the top of the Amiga 'C' include files). Version 1.0, includes source. Author: Olaf Barthel FF325

**DosControl** A new directory tool that combines the functionality of many separate tools allowing you to control the operation of your Amiga with a single program. Version 3.1 binary only. Author: Uwe Brosch FF607

**DOSDev** Example DOS device driver in Manx C. Version 1.10, includes source Author: Matt Dillon FF113

**DosError** A small CLI utility that will return a slightly more verbose description of a DOS error code than that returned by the System. Can save a trip to the manual for vague or unfamiliar error codes. Version 2.0, includes source in assembly. Author: Robert Lang FF366

**DOSHelper** Windowing program to print help information about various DOS command. Version 1.60. Suggested \$10 donation. Author: John Youells FF40, AM14

**DOSKwik** A pair of programs which allow you to save files, or a group of files, to one or more floppies for quick loading (loading up a RAM disk for example). Does not store files in DOS format, which is why it is faster. Version 2.0, update to version on FF103. Binary only, shareware. Author: Gary Kemper FF129, FF103

**DosManager** You can copy, delete, move, view, show as pictures, play as samples, rename, ... , files with this program. It is also possible to program a personal command with Dos-Manager. This is version 1.0, shareware, binary only. Author: Jurgen Stohr FF533

**DOSPlus1** First volume of CLI oriented tools for developers. Executables only Author: Bill Beogelein FF32

**DOSPlus2** Second volume of CLI oriented tools for developers. Executables only Author: Bill Beogelein FF32

**DOSWatch** Monitor for calls to AmigaDOS via dos.library. Needs Kickstart 1.2 or 1.3. This is version 1.0. HiSoft Devpac Assembler V1.21 source included. Author: A.Voss Wrede FF501

**DoTil** Lists, in alphabetical order, all files on any two directories, showing file size, creation date/time, and amount of free disk space. Also copies, renames, or deletes files and/or directories, and moves files from one directory to another. Version 2.0, shareware, author suggests \$15 donation. by Dan Franki FF70

**Dots-Perfect** Printer driver for an Epson MX80 printer with the Dots-Perfect upgrade kit installed. Includes source. Author: Robbie Akins FF108

**dotty** Source to the 'dotty window' demo on the Workbench disk. Posted to usenet by Dale Luck. FF1, AM1, AM4

**Double Playfield:** Shows how to use dual playfields in AmigaBASIC. Author: Robert D'Asto AC2

**Downhill** A skiing arcade game. Ski skylar mountain, a dangerous, steep, downright scary mountain with bonus flags to pick up, rocks, bushes, and branches to jump over, all while avoiding obstacles such as trees. The longer you stay up the faster you ski and the more points you get. Binary only, joystick required, works only under AmigaDOS 1.3. Author: David Alves FF425

**Dozer** An IFF picture of a bulldozer. AM7

**DPatch** This program allows you to change the default overscan sizes used in DeluxePaint 3.25 & 4.02. This is especially useful for loading in old animations created with Dpaint 3.14 and animations created in other programs whose screen sizes do not match the default Dpaint sizes. Author: Colin Bell FF557

**dpdecode** decrypts Deluxe Paint, demo. AM14

**DPFFT** An enhanced version of DPlot. DPlot is a simple display program for experimental data, with the goals of supporting paging through lots of data and providing comfortable scaling and presentation. DPFFT includes the ability to plot a Fast Fourier Transform (FFT) of the data, customized amplitude and phase spectrum, prewhitening capability, and a Welch window for spectral smoothing. Update to version on disk number 324. Version 2.2, binary only. Author: A. A. Walma FF364, FF324

**DPlot** A simple display program for experimental data, with the goals of supporting paging through lots of data and providing comfortable scaling and presentation. V2.0 Binary only. By A. A. Walma FF290

**DPS** Demo version of a program to take any IFF file and save it as a totally self-contained executable file, without the need for any IFF-viewers. V1.0, binary only. By Foster Hall FF184

**Dps** A program designed to work with the PrintScript program, a commercial PostScript interpreter for the Amiga, to provide a page previewer. V1.1 with source. by: Allen Norskog FF209

**dpslide** A slide show program for displaying graphic images which are in the IFF format, such as output from the Electronic Arts Deluxe Paint program. Allows the user to select the display time for each slide

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and the method of bringing the slide up to the screen, and then removing it. Double buffers images to improve smoothness of display. Author: Paul Biondo FF11, AM3, AM6

**Dr** Another alternative CLI directory lister command. This one features extreme optimization for speed, a variety of output formats, hiding of .info files by default, and AmigaDOS pattern matching. It is pure (residentable). It is intended to outperform all other directory listers. Includes the additional utilities ForEvery and Whichever. Release 1.2, includes source. Author: Paul Kienitz. FF429

**Draco** Update to Chris Gray's Draco distribution for the Amiga. Enhancements include support for floating point, register variables, more optimization, improved call/return standard, etc. V1.2 Requires documentation from FF77 to complete the distribution kit. Binary only. By Chris Gray FF201, FF76 & 77

**dragon** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DragonCave** A nicely done Sokoban like game for the Amiga. Features include sound effects, two or three dimensional graphics, 100 levels (50 of which can be customized with the built-in editor), undo of up to 1000 preceding steps, transparent copying of data files to ram: for reduced load times, both English and German versions, and more. Version 1.00, binary only. Author: Hartmut Stein and Michael Berling FF395

**draw** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DrawMap** Release 4.0 of a program for drawing representations of the Earth's surface. New features include using the full Micro World Data Bank data files user selection of the items to be included (e.g. coastlines rivers etc.) and the amount of detail in each map and a redraw function. Corrects a problem with box and text selection encountered under AmigaDOS 2.04 but AmigaDOS 2.04 is not required. Requires 1.5 megabytes of memory and a hard disk with 1.6 megabytes of free space. Also includes version requiring a 68020 CPU and 68881 FPU. This is an update to version 3.1 on disk 545. Includes full source. Distributed in two parts part one is on FF639 & Part two is on FF640. Author: Bryan Brown. FF639 & FF640, FF545, FF441, FF284, FF168 & 169, FF153, FF134, FF113, FF93, FF87, FF74, FF59

**Drawmap** A program for drawing representations of the Earth's surface. This version includes a completely rewritten user interface and some new functions. Version 2.25d, an update to version 2.0 on disk 315. Includes source. Authors: Bryan Brown & Ulrich Denker FF485, FF315, FF229

**DRES V1** Support (run time) library w/ lots of functions including a generic parser & IPC. FF168 & 169

**Drip** Drip is an arcade style game with 15 floors (levels). You must move along the pipes of each floor and rust them to advance to the next level. Every 3 floors completed will entitle you to a bonus round where extra drips can be won. An extra drip will also be awarded for every 10,000 points. Binary only. Author: Art Skiles FF347

**Driver** Demo device driver in source. Functions as a RAM disk for demonstration purposes. Author: Lee Erickson FF39

**DriveWars** DriveWars is a Shareware shoot'em up game that pits you, d0f0 or dF1, against a computer virus that is about to destroy all U.S. records of Iraq's positions during operation Desert Shield. In version 1.0, you must fly d0f0: through the computers and destroy all contaminated chips and disks. Author: Joe Angell FF400

**DropCloth** DropCloth lets you place a pattern, a 2 bitplane IFF image or a combination of a pattern and image, into the WorkBench backdrop. This is version 2.4. Shareware, binary only. Author: Eric Lavitsky FF201, FF128, FF59

**DropShadow** Dropshadow version 2, rev 0, for use with Bryce Nesbitt's Wavebench demo. Binary only. Author: Jim Mackraz FF112, FF87, FF74, FF59, AM18

**DSM** Dynamic Sound Machine Demo version with 'Save' disabled of a program that will take any IFF sound or raw data and save it as a totally self-contained, runnable program. By Foster Hall FF167

**DSound** DSound is 8SVX sound sample player that plays samples directly off the hard drive. The sound sample is played as it is loaded, making it possible to play sound samples of any length even under limited memory conditions. Version 0.91a, includes source. Author: Dave Schreiber FF546

**DT** A "DiskTest" utility for floppy disks, la Norton Utilities. Version 1.12, includes source (SAS-C). Author: Maurizio Loret FF539

**DTC** A utility providing a simple calendar which can hold and show appointments. It may be useful in managing your time. Its chief goals were to provide day, week and month at a glance for any date between 1/1/0001 and 12/31/9999, defaulting to the current date. It is menu driven and fairly easy to use. With

source in Fortran. By Mitch Wyle, Amiga port by Glenn Everhart FF335

**DTerm** Small, flexible, terminal program with intelligent data mapping, intelligent keyboard mapping, dynamic menus, intelligent command language, asynchronous IO, duplex control, and a state machine structure allowing you to build any automatic control structure you wish (from auto-redial, sequence dialing, to auto-logon). Version 1.10, binary only. Author: Matt Dillon FF73

**DU** A Workbench 2.0-aware DU program. Unlike other Amiga DU programs, it will skip over links to files and links to directories. Not only does this give a more accurate representation of how much space the contents of a particular directory are taking up, it also prevents infinite loops when a directory has a link to one of it's ancestors. Version 1.02, includes source. Author: Dave Schreiber FF496

**Du** Prints number of disc blocks used in selected files or directories. Modified to make output more readable, and handle ^C exit. Includes source. By: Joe Mueller, enhancements by Gary Duncan FF345

**Dual Demo:** How to use dual playfields to make your own arcade games. Written in C. Author: Thomas Eshelman. AC7

**dualplay.c** Dual playfield example. C program. AM4

**DualPlayfield** An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual Author: Jim Mackraz FF41

**DuM2** A version of the ever popular directory utility (dirutil) but this one is written in Modula 2 and includes source. Dirutil is a program to wander around a directory tree and perform various operations on files. Version 1.5. Author: Greg Browne FF75

**DumpDiff** A small utility that prints the hexdumps of 2 files, with all differences between these two files highlighted. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF253

**DumpHarpoon** Program that dumps the .DAT data files for the game HARPOON. Author: Mark Kyprianou FF525

**DungeonMap** A little tool that creates maps of dungeons (and eventually towns) which can be used by a Dungeon Master (DM's) for use in a Dungeons & Dragons (D&D) game. These maps can be saved edited and printed. This is version 1.0. Binary only. Author: Bill Elliot FF603

**Durer** Draws pictures in the style of Durer. ABASIC program. AM1

**Dux5** Latest version of directory utility which is a descendant of the original dirutil program by Chris Nicotra. Includes source. Author: Enhancements and fixes by lots of people FF67

**DvorakKeymap** Example of a keymap structure for the Dvorak keyboard layout. Untested but included because assembly examples are few and far between. Author: Robert Burns @ Commodore-Amiga FF27

**DWIP** 'Daisy Wheel IFF Printer'. A graphics printing utility that allows the printing of IFF pictures on a daisy wheel printer. Includes source. Author: Ken Van Camp FF160

**DX-Synth** Voice filer program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Update to 'VoiceFiler' released on FF38. Binary only. Author: Jack Deckard FF82

**DX-VoiceSorter** To be used with Jack Deckard's VoiceFiler program. (Disk 82). It allows for the sorting of a number of voicefiles stored using that program into a new voicefile of voices created from various files. With source. By David Bouckley FF149

**DX100** Editor/Librarian for the Yamaha DX100 DX21 and DX27 synth-izers. Provides voice editing and librarian features similar to the FB-01 Editor/Librarian. Version 1.25. Author: James M. Smith FF598

**DynaCADD** Part 1 of a four part demo distribution of DynaCADD from Ditek International. DynaCADD is a professional 2D and 3D CAD pack- age. This demo is fully functional except for disabled save and export functions. DynaCADD requires at minimum an Amiga with 1Mb of RAM and a hard drive or two floppy drives. A de- interlacer of some kind is highly recommended. FF603 contains all the files necessary to recreate the DynaCADD demo disk number 1. The files for demo disk number 2 can be found on library disk number 604 and the files for demo disks 3 and 4 can be found on library disk number 605. This is version 2.04 an update to version 1.84 on disks 434 and 435 and now includes both 68000 and 68020/030 versions. Binary only. Author: Ditek International FF603, FF434

**DynaCADD** Part 2 of a two part demo distribution of DynaCADD from Ditek International. DynaCADD is a professional 2D and 3D CAD package. This demo is fully functional except for disabled save and export functions. Requires a system with 68020/68030 and a 68881/68882 math processor. This disk contains all the files necessary to recreate the DynaCADD demo disk number 2. The files for demo disk number 1 can be found on

library disk number 434. This is version 1.84, binary only. Author: Ditek International FF435

**Dynamic Memory!** Flexible string gadget requester using dynamic memory allocation. Author: Randy Finch. AC8

**dynamictriangle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. It is not certain which of the two early basics this program used. FF13

**DynaShow** A program and example image using a dynamic HiRes technique to display up to 4096 colors in high res with overscan. Dynamic HiRes uses a different 16 color palette on each scan line. Version 1.1, binary only. Author: NewTek FF285

**EAguy's pic** The guys at Electronic Arts. AM6

**EasyBackup** A CLI-based hard-disk backup/restore utility. Features incremental backups by archive bit status, by datestamp, or command-line query. Incremental backups can be appended to an existing backup set. Includes source. Author: Oliver Ensling FF365

**EasyColor** A color palette tool that you can use in your own programs. Works with any screen depth and type. Includes a usable demo. This is version 1.1 includes source in assembly. Author: Preben Nielsen FF555

**EasyExpress** A compiler tool for the users of Charlie Gibbs' A68k assembler and The Software Distillery's BLink. EasyExpress does the same job better than your batch file and is much easier to change for current use. If you use many object files, EasyExpress can make your life much easier. You can do almost everything via mouse and just watch how easily the compilation of your program happens. Binary only. Author: Juha Lindfors FF547

**EasyMouse** Another threshold-mouse-accelerating, screen-to-back, window to-front, mouse-blanking, screen-blanking, auto- window activating, low-memory-warning, auto-window sizing, configuration-saveable clock! Version 1.0, includes source. Author: Oliver Ensling FF365

**Echo** A small replacement for the AmigaDOS echo that will do some special functions, such as clear the screen, delete to bottom of screen, scroll the screen, place the cursor at a particular location, and set the text style and/or color. Includes source. Author: Garry Glendown FF217, FF36

**Echo** Echo is a replacement for the AmigaDOS or ARP echo command. This version provides easy color setting or positioning for all echo'd strings. Completely compatible with the AmigaDOS and ARP echo commands, all your old batch files should work correctly. Version 1.08c, includes source. By: George Kerber (based on echo by Garry Glendown) FF311

**Echo** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**echox** UNIX-style filename expansion, partial S, C program in C source code and executable. Documentation included. AM1

**Eco** An ECHO replacement which allows many escape sequences for colors, text styles, cursor positioning, system variables, and much more. Has PURE bit set and can be made resident. Version 3.40, includes source. Author: Dario de Giudibus FF391

**ECPM** A CP/M emulator for the Amiga. Emulates an 8080 along with H19 terminal emulation. Update from version FF109. Includes source. Author: Jim Cathey; Amiga port by Charlie Gibbs; Significant improvements by Willi Kusche FF157

**Ed** An editor based on the editor described in the original Software Tools book. It is very similar to the UNIX 'ed' editor, but not identical. Includes source. Author: Brian Beattie FF84

**EdCommands** Text guide to the ED editor. AM1

**Edimap** A keypad editor. Allows you to read in an existing keypad file, modify it to suit your needs, and save it as a ready-to-use keypad. V1.0, includes source. By Gilles Gamesh FF182

**EdLib** A library of additional functions for Manx. This is V1.1, an update to V1.0 from FF183. With source. By Edwin Hoogerbeets with C-functions from several different authors FF218

**EDRC** An extensive configuration file for Matt Dillon's DME text editor using 10 menus and many functions. Author: Stefan Zeiger FF636

**EFJ** A fast action machine-code game (Escape From Jovi) featuring hi-res scrolling, large playfield, disk based high score list, stereo sound, multiple levels, a cheat mode, realistic inertia and gravitational effects, an animated sprite, and more. Use a joystick in port 2 to control the ship. This is version III, an update to the version on disk 148. Includes source in assembly code. Author: Oliver Wagner FF259, FF148

**Egad** A gadget editor from the Programmers Network. Very nicely done and very useful. Author: John Draper, Ray Larson, Brent Southard, and Dave Milligan FF46

**EGraph** Egraph reads pairs of x and y values from a list of files and draws a formatted graph. Supports four unique curve fonts: solid curves, dashed curves, dotted curves, and long dashed curves. The maximum number of data points is unlimited. Has globs of options. Binary only. Author: Laurence Turner FF58,

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**A**

**EgyptianRun** Cute little 'road race + hazards' type game. Version 1.1, binary only, shareware, source available from author. Author: Chris Hames FF120

**EHB** Checks to see if you have extra-half-bright graphics. In C source code, executable program and documentation. AM21

**electric guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Electron** Electron World is a cellular automation described in 'Spektrum der Wissenschaft' ('Scientific American') March 1990. This is version 3.10 an update to version 2.01 from disk 584 (Wizard Works 2). Shareware US\$ 10. Binary only. Author: Stefan Zeiger FF636, FF584

**Elements** Very nice interactive display of the the Periodic Table of Elements. Includes general row and column information plus a test mode where the program asks specific questions about the selected element or row/column. This is version 2.3b an update to version 2.3 on disk 384 with some minor AmigaDOS 2.0 fixes a new icon and Swedish and German data files. Binary only shareware. Author: Paul Thomas Miller FF593, FF384, FF368, FF297, FF253, FF175

**Eless** A faster directory lister, that also sorts entries and displays directories in the current cursor color (ala the Manx 'ls' program). Includes source. Author: Leo Schwab FF75

**ElGato** This animation is Kevin's entry to the Badge Killer Demo Contest. It also has a background music arrangement, that requires Sonix to use. Author: Kevin Sullivan . FF125

**Elib** Example of building a shared library using small model Manx C. Includes source. Author: Jim Mackraz FF87

**EliteBBS** An online message and file handling system. Features include a message base, private mail, file library, support for xmodem, ymodem, and zmodem, fully buffered serial I/O routines for top speed, time limits, and more. Version V.31, binary only. Author: Nick Smith FF444

**Eliza** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM18

**Emacs** An early version of the Amiga text editor, C program in C source code and executable. Documentation provided. AM2

**EmacsKey** Makes Emacs function key definitions by Greg Douglas. In C source code, and documentation. AM19

**Empire** Empire is a multiplayer game of exploration, economics, war, etc, which can last a couple of months. Can be played either on the local keyboard or remotely through a modem. This is version 2.1w, an update to version 1.33w on FF329. Changes include a client-server system, a chat/CBmode, realtime private player to player messages, and other enhancements. Binary only. Author: Chris Gray, David Wright, Peter Langston FF357, FF329, FF118

**Emporos** You are living on the island of Emporos, where several countries exist. Your goal is to make one of these countries your own. There is only one way to do this, and you have to find it out. Binary only. Author: Roland Richter FF229

**Enforcer** Detects/protects against illegal memory hits. Compatible with all OS versions & machines (requires a Memory Management Unit or 68030 processor). The low 1K of memory and all areas that are not RAM are protected from CPU reads or writes. ROM is marked as read-only. Version 2.6f, binary only. Author: Bryce Nesbitt FF474, FF454

**Enigma** An interactive animation object that can be viewed as a puzzle or a game object. The Enigma! Machine can be programmed by the user to generate text. Part of the challenge is to discover how to program it to generate meaningful output. Version 1.00, binary only. Author: Martin C. Kees FF516

**Enigmas** Nifty graphic simulation of the World War II German Enigma-Machine, a message encoding/decoding device that produced extremely difficult to crack cryptographic code. Binary only. Author: Gaylan Wallis FF367

**Enough** A new CLI execute file command that tests for various system resources such as available memory or existence of specific files, directories, or devices. Author: Bruce Barrett @ Commodore-Amiga Player Animation player for Aegis Animator. Received directly from Aegis Development. FF29

**Entertainer** Plays The Entertainer, a Scott Japlan song made famous by "The Sting". ABasic program. AM1

**Env** A user friendly tool to edit your 'environments'. You can change add copy rename and delete them with an intuition GUI instead of using DOS SetEnv / GetEnv. Features include keyboard shortcuts font-sensitive windows and shell command line support. Version 2.08 binary only. Author: Stefan Otto FF600

**EnvPrint** EnvPrint is a handy tool for printing envelopes for letters. Just type in the addresses or load them from disk and EnvPrint will organize the

printing job for you. Includes an AReXX port. Version 1.50 an update to version 1.20 from disk 584 (WizardWorks 2). Shareware US\$ 10. Binary only. Author: Stefan Zeiger FF636, FF584

**EOMS** Experts Only Mercenary Simulator. A neat (and tough!) PD game that was originally developed for eventual commercial release but, for various reasons, the author decided to release as PD instead. So far my son has beat every other Amiga game I've got, both PD and commercial, but he gave up on this one. For serious game players. Binary only. Author: Daniel Cardenas FF78

**Ephemer** A program which calculates the positions of the sun, moon, and planets for any date and any place. Includes source in HiSoft BASIC. Author: Yvon Alemany FF482

**Epson** An improved Epson driver that eliminates streaking. AM9

**Epson LQ-800** Printer driver for the Epson LQ-800. AM9

**epsonset** Executable program that sends Epson settings to PAR from menu. Documentation included. AM12

**EquiLog** A Master-Mind type game. Version 1.36 binary only. Author: Pierre-Louis Mangeard FF590

**EraseDisk** A small, fast program used to erase a disk by setting all bits on the disk to zero. Version 0.69, includes source in assembly. Author: Otto Bernhart FF544

**Error** Adds compile errors to a C file, C source code. AM3

**Esperanto** A keypad modification to usa1 which, in conjunction with the supplied slatefont, will allow one to type in Esperanto and Welsh, in any program that will use keymaps & fonts by: Glyn Gowing FF211

**esuom** A little screen hack that causes the mouse pointer to move in the opposite direction of the mouse. Includes source. Author: Rob Eisenhuth FF229

**Etale** Another 'more' or 'less' type file reader, which differs from the others in that it supports superscripts and subscripts at very low memory cost, and supports a complete Greek alphabet. Includes source. Author: William Hammond FF254

**EternalRome** A historical strategy game, that in spite of its high complexity is fast and easy to play. Fully mouse controlled with a fine zoomable map of the Roman empire (overscan and interlaced options). The simulation delivers many historical insights because of its accuracy (may be used for educational purposes) and is a challenging and entertaining game for two or more players (also interesting for solitary studies). Version 1.0 (tryware). Binary only. Author: Sven Hartumpf FF502

**Etime** Etime will display the elapsed time between events. This is useful in scripts to display the elapsed time between the beginning and ending. Many options including color and time displayed as hh:mm:ss or total seconds. Version 1.05c, includes source. Author: George Kerber FF311

**Eval** This package allows you to manipulate expressions. Currently its two main functions are evaluation and differentiation. It also does some basic simplifications (based on pattern matching) to make the result of a differentiation more presentable. Includes source. Author: David Gay FF192

**Evo** A human evolution toy/tutorial. Includes source. Author: Steve Bonner FF130

**Evolution** This program graphically simulates the evolution of a species of 'bugs', the insect kind. Bugs, represented by moving blobs, eat bacteria represented by single pixels. They mutate, compete for food, reproduce and pass their mutations to their offspring. Nice example of graphics and software simulation. Standalone image and source code. Author: Russel Yost FF239

**EW** Patch for Intuition OpenWindow( ) and CloseWindow( ), creating a Mac-style frame whenever a window is opened or closed. Very short, with source in assembler. By O. Wagner FF286

**Examples** Assembly and C code examples, including some old favorites (like speechtoy and yachtc3) downcoded to assembly language. Includes a replacement for the official audio device, an example of creating a subtask, a rewrite in assembly of R. J. Mical's file requester, an example of installing a custom input handler ahead of intuition, and more. Author: Jim Fiore & Jeff Glatt FF203

**Exceptional Conduct**: A quick response to user requests, achieved through efficient program logic. Author: Mark Cashman. AC10

**Excpition** Exception is a set of error handling routines that provide a programmer with the ability to easily handle often difficult to implement routines. Routines such as no more memory, file not open, read/write error...etc. V0.6, includes source. By Gerald T Hewes FF179

**ExeC** ExeC is a small utility for executing CLI/Shell Commands from the Workbench. This is version 1.10. Freeware. Binary only. Author: Carsten Raufuß FF584

**exec.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**ExecDis** A disassembler comment generator program

for the 1.2 Kickstart ROM exec library image. Generates a commented disassembly of the exec library. V1.0, binary only. By Markus Wandel FF188

**ExecLib** A working example of how to build and use user-defined disk-resident libraries. Of special interest to developers working with Lattice C. Author: Alex Livshits FF150

**ExecRexx** A program that turns an AReXX script into an executable which can be run from WorkBench or the CLI. Binary only. Author: Jeff Glatt FF463

**Exp\_Demo** Demo version of Express Paint 1.1. This is the program that was used to create the huge scrolling demo picture in the AMUC\_Demo drawer on this same disk. Binary only. Author: Stephen Vermeulen FF117

**Expose** Program which will automatically cause all screen drag bars and screen depth-arrangers to become exposed. Sends a message to windows which obscure the screen drag bars, asking them to move down a pixel, and also to become smaller if necessary. Includes source. Author: John Russell FF73

**extdisk** Text, external disk specification. AM5

**ExtFuncProc** External Function Process. Allows execution of any library function from simple tasks even if these functions require a process environment. For experienced programmers only because there isn't any documentation written yet but only an example. ExtFuncProc is used by GMC. It runs under KS 2.0. Binary only. Author: Goetz Mueller FF387

**EZAsm** Combines parts of 'C' with 68000 assembly language. Produces highly optimized code. Supports all 2.0 functions and more. Comes bundled with A68k and Blink for a complete programming environment. This is version 1.6 an update to version 1.5 on disk 484. Includes example source and executable files. Binary only. Author: Joe Siebenmann FF592, FF484, FF421, FF421

**ezspeak** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**ezterm** A basic sample program from Fred Fish's Grab Bag. It is not certain which of the two early basics this program used. FF13

**FAClock** Front Analog Clock. This clock program always stays at the very front of the display. Binary only. Author: Jonathan Potter FF412

**FAFF** Specification for the FAFF spreadsheet file format used by the Gold Disk products 'Professional Calc' 'The Advantage' 'Office Calc' and 'Office Graph'. Describes version 2.0 of FAFF. This information should allow 3rd party developers to create and use files that are compatible with ProCalc. Author: Michal Todorovic / Gold Disk FF553

**FAM** A File Access Manager for the Amiga that allows multiple AReXX programs to access a buffered version of a directory in a consistent and serialized manner. It buffers all the names, dates, sizes and so on, for quick access. Version 1.1 with source. By: Darren New FF325

**Family\_Sol** A preliminary version of the Authors Family Solitaire card game. A standard game of Solitaire with options for multiple players, sound etc. Binary only. Author: Errol Wallingford FF473

**FarPrint** Debugging functions for programs which don't have any links to their environment. FarPrint consists of two major parts; a harbour process open to receive and distribute messages and requests, and a set of C functions to be linked into any program wishing to communicate with the FarPrint main process. This is version 1.5 and adds a shared library as well as linker libraries for both Lattice and Aztec C. Includes source. Author: Olaf Barthel FF325, FF281

**Fass** A program which lets you reassign the FONTS: directory at the touch of a few keys without having to use the CLI. Version 1.02 includes source. Author: Jan van den Baard FF570

**Fast Fractals**: A fast fractal program written in C with Assembly language subroutines. Author: Hugo M. H. Lyppens AC6

**Fast Pics**: Re-writing the pixel drawing routine in Assembly language for speed. Author: Scott Steinman AC6

**FastBlit** A small tool to speed up blitter operations by up to 60%. Version 1.0, binary only. Author: Ralf Thanner FF354

**FastDisk** A disk optimizer providing two ways of optimizing. Originally written by Thorsten Stolpmann. This is version II, now featuring an Intuition interface, ARP support, bug hunting, and Lattice C compatibility, done by Oliver Wagner. Includes source in C. Author: Thorsten Stolpmann and Oliver Wagner FF286

**fasterfp** Explains use of fast-floating point math C program. AM1

**FastGro** A fractal program, simulating Diffusion-Limited Aggregation (DLA) as described in the December 1988 Scientific American in the Computer Recreations column. This program is about an order of magnitude faster than the 'SLOGRO' program described in Scientific American. V 1.0, includes source. By Doug Houck FF188

**FastLife** A fast life program featuring an intuition



# Freely Redistributable Software

interface four screen sizes 35 generations per second on Amiga 3000/25 19 generations per second on Amiga 2000/500/1000 and 153 patterns in text file format. Runs with Kickstart 1.3 and 2.0. This is version 1.1 an update to version 1.0 on disk 469. Changes include better Intuition interface easy selection of calculation mode speed control task priority control and tooltypes support. Binary only. Author: Ron Charlton FF608

**FastLife** A fast life program featuring an intuition interface, four screen sizes, 19 generations/second, and 153 patterns in text file format. Version 1.0, binary only. Author: Ron Charlton FF469

**FastText** Blitter based fast text rendering routines written in assembly. Unique in the fact that they speed up rendering of non-proportional fonts of any height, and from 4-16 pixels in width. With source and test program. By Darren M. Greenwald FF170

**FB-01** Edit all parameters for FB-01 Voices and Configurations. Has graphical display of voice envelopes to improve the editing process. The librarian provides the means to organize and store a bank of voices or configurations on disk. Send customized banks to a Yamaha FB-01 or receive banks from this instrument. Print hardcopy of voice and configuration banks. Version 1.25. Author: James M. Smith FF598

**fBlanker** A utility for blanking the screen after a defined period of no action. Shows a multicolor Amiga checkmark. This is version 1.1, binary only, requires AmigaDOS 2.0. Author: Markus Stoll FF491

**FBM** An Amiga port of the Fuzzy PixMap image manipulation library. This package allows manipulation and conversion of a variety of color and B&W image formats. Supported formats include Sun rasterfiles, GIF, IFF, PCX, PBM bitmaps, 'face' files, and FBM files. Also has input converters for raw images, like DigiView files, and output converters for PostScript and Diablo graphics. Besides doing format conversion, some of the other image manipulation operations supported include rectangular extraction, density and contrast changes, rotation, quantization, halftone grayscaling, edges sharpening, and histograms. V 0.9, binary. By Michael Mauldin; Amiga port by Kenn Barry FF334

**FCS** Preliminary version of an iterated Fractal Construction Set program, used to generate iterated fractal images such as Sierpinski's triangle, ferns, etc. This is version 0.99, binary only. Author: Garth Thornton FF465

**Fd** A modified version of Leo's 'eless' that processes an entire track at a time, to minimize rereading of blocks. Includes source. Author: Leo Schwab, enhancements by Stephen Vermeulen FF75

**FED** A binary file editor with lots of options. This is version 1.1 binary only. Author: Thomas Jansen FF555

**Fedup** A random access, byte oriented file-editor that gives you the option of viewing and editing any file (binary or ASCII) using either ASCII or hexadecimal notation. Version 2.1, binary only. Author: Martin Lindemann FF230

**Fenster** A program which can operate on requesters screens and win- dows owned by another program to close them change their size refresh gadgets move the window to the background etc. This is version 3.2 an update to version 2.2 on disk 362. Includes source in assembly. Author: Roger Fischlin FF630, FF362, FF305, FF298, FF245

**ff** A very fast text formatter, controlled exclusively by command line arguments. Author: Gary Perlman & hordes of students FF3

**FFEX** Another program for fractals. Lots of features. Uses an interesting algorithm for extra speed. Source includes modules for reading/writing ILBM pictures, and for using the ARP filerequester in modula. Version 4.0. Author: Robert Brandner FF549

**FFP & IEEE** An example of using FFP & IEEE math routines in Modula-2. Author: Steve Faiwizewski AC1

**FFT** Highly optimized Fast Fourier Transform tools for digital signal processing. The FFT can be used to compute the frequency spectrum of a complex signal. It is useful in a variety of different applications. Floating point and integer versions. Mixture of high level and assembly language code. Includes source (requires JForth). Author: Jerry Kallaus FF239

**FifoDev** FIFO: is like PIPE: but is based on fifo.library rather than its own implementation. Fifo.library is a general fifo library implementation that supports named fifos writing to a fifo from a hardware exception multiple readers on a fifo with each getting the same data stream efficient reading and automatic or manual flow control. Programs that require non-blocking IO can access one side of a FIFO: connection via the fifo.library instead of the FIFO: device. Version 2, an update to version on disk 432. Includes some source. Author: Matt Dillon

FF448, FF432

**FifoLib** FIFO: is like PIPE: but is based on fifo.library rather than its own implementation. Fifo.library is a general fifo library implementation that supports named fifos writing to a fifo from a hardware exception multiple readers on a fifo with each getting the same data stream efficient reading and automatic or manual flow control. Programs that require non-blocking IO can access one side of a FIFO: connection via the fifo.library instead of the FIFO: device. Version 3.4 an update to version 3.1 on disk 519. Includes some source. Author: Matt Dillon FF588, FF519

**File** A program that recognizes various types of files and prints what that type is. Recognizes font files, icon files, executable files, standard object files, compressed files, command scripts, C source, directories, iff files, LaTeX source, modula II source, arc files, shell commands and scripts, TeX source, dvi files, uuencoded files, yacc files, zoo archives, etc. Version 1.0, includes source. Author: Edwin Hoogerbeets FF231

**FileBootBlock** This simple little program reads blocks 0 and 1 of a bootable disk and saves them as a program file that can be run (heaven forbid) or disassembled by programs like DIS or DSM. Includes source in assembly code. by: John Veldthuis FF191

**FileEncrypt** Another intuition based file encryptor to enable you to scramble your highly secret, hard earned source code and prevent your co-workers from taking credit for it! Includes (unscrambled) source. Author: Lorenz Wiest FF379

**FileISG-Demo** A demo version of Softwood File Islg, a database manager with sound and graphics. Also includes a database of previously released disks in this library, courtesy of Stan Spence. Binary only. Author: Woody Williams and Donald Brady FF86

**FileIO** A file requester library based upon an example by R.J. Mical. Has numerous features, including uses other than disk I/O. Version 1.C, update to version 1.9 on disk 393. Binary only. Author: Jeff Glatt, Jim Fiore, R.J. Mical FF463, FF393, FF348, FF307, FF257

**FileIt** A simple database program, written in DRACO. It is meant to be portable, thus it does not use any of Intuition's facilities. Version 1.0, includes source. Author: John Davis FF230

**FileLocator** Searches up to 28 mounted devices for specific files using wildcard matches. Version 1.0 binary only. Author: Joe Rattz Jr. FF581

**FileMaster** A file editor like NewZap or FedUp, which allows you to manipulate bytes of a file. You may also change the file size or execute a patch. Version 1.20, update to version on FF298, includes source in assembly. Author: Roger Fischlin FF361, FF298

**FileMinder** Utility for maintaining files and directories on a hard disk. Allows you to graphically see your directory structure to move quickly to any directory and to perform operations on the files and other directories there. This is version 1.0 shareware binary only. Author: Joel Swank FF606

**FileNames** AmigaDOS filename wildcard conventions in a text file. AM1

**Filer** An excellent shareware filemanager featuring buffered directories soft- and hardlink support configurable by ASCII file and much more. This is a demo version with some minor features disabled. Needs KickStart 2.0. Shareware binary only. Author: Matthias Scheler FF562

**FileReq** This is Jonathan's second version of a file requester, and is much more powerful than the one included on disk 204. Shareware, with source. By Jonathan Potter FF242, FF204, FF85

**FileRequest** Assembly code example of a file requester. V2.0, an update to FF173, where it was called FileSelect. New features include 3 speed scrolling of filenames and ghosting of unavailable devices. Includes source. Author: Fabrice Lienhardt FF292, FF173

**FileRequester** A very nice file requester module for lattice C programs, along with a demo driver program. Author: Charlie Heath FF35

**FILES V1.2** Matt Dillon's disk catalog program. FF168 & 169

**FileSearch** This program will search an AmigaDOS volume for a specified file, using a filename pattern. Useful for hard drive owners wanting to find a file/program quickly. AmigaDOS wildcards aren't supported. " " wildcards are. Has an Intuition interface. Version 1.5, binary only, WB2.0 only. Author: Matt Crowd FF531

**FileSelect** A FileIO selector, written 100% in assembly. Version 1.0, includes source Author: Fabrice Lienhardt FF173

**FileSystems** Displays AmigaDOS disk devices with information about the head geometry, BufMemType, and the lower level exec device. With source. By Ethan Dicks FF329

**FileTest** This routine is used to recursively descend the file system tree from a specified directory location, reading the files into memory (if they will fit) as it goes. Useful as a complete test of file system integrity.

Includes source. By Stephen Vermeulen FF284

**FileTypes** This program can recognize different kinds of files in a directory. Currently recognized types are executable and IFF (all types, ILBM, 8SVX etc.). Includes listing the whole contents of a directory or only files of one or more types. This is version 2.1, and includes assembly source. Author: Sebastian Leske FF415

**FileWindow** A completely public domain file requester which may be used in any program, even commercial ones. It uses dynamically allocated memory to hold the file names so the only limitation is the amount of memory available. Includes a filter option to limit display of filenames to only ones with a specific extension. Names are automatically sorted while they are being read and displayed. This version has been enhanced by Bernd Schied for more device gadgets, renaming of files and directories, ANSI-C source, and more. Update to version 1.10 on disk 336. Includes source. Author: Anders Bjerin, Bernd Schied FF464, FF336

**filezap** An updated version of the file zap utility first released on FF10. Can be used to patch any type of file. Nice, and VERY useful. Author: John Hodgson FF14, FF10, AM16

**FillDisk** Disksalv has been known to find some rather interesting things in the free blocks of some production disks from companies that should know better. This little hack makes sure you don't get caught in the same trap, by scribbling the disk's free blocks in a totally safe manner. Includes source (all 20 lines of it). Author: Fred Fish FF61

**fillbuster** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Find** Find is a utility which searches for files that satisfy a given boolean expression of attributes, starting from a root pathname and searching recursively down through the hierarchy of the file system. Very much like the Unix find program. V1.2, includes source. Update to FF134 Author: Rodney Lewis FF197, FF134

**FINDIT V1.00** Search for a filename (wildcard) FF168 & 169

**FindName** A program to be used in scripts. It allows you to verify the presence of certain structures in RAM. You can currently search for devices, libraries, memory, messageports, resources and tasks. The search is done by name. Version 1.0, includes source in assembly. Author: Preben Nielsen FF547

**FineArt** This is a collection of works from some of the best of current Amiga artists. Many thanks to Jim Sachs, Sheryl Knowles, Jack Haeger, and Aegis Development for submissions. FF30

**FirstSiliCon** A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is 'SiliCon:'. By Pete Goodeve FF50

**Fish** 'A demo program which runs an AnimOb in a double buffered screen with sequence cycled animation'. (Basically shows a fish 'swimming' across the top of the screen). Author: Catherine Wagner (posted by Barry Whitebook) FF15

**FishCat** A program designed to allow searching the entire library. Features very fast searches and the built-in ability to easily add new disks to the database. Supports many 2.0 features such as AppWindow and public screens. Iconifies. This is version 1.1. Binary only. Author: Matt Brown FF607

**FiveInLine** A board-playing game similar to Go-Moku, Ristinolla, etc. Fast-paced and quickly addictive! Includes source. Author: Njel Fisketjyn FF163

**Fix68010** A program which patches executables that fail to run on machines equipped with an M68010, so that they no longer use the prohibited privileged instructions. Binary only. Author: Gregor Brandt FF241

**FixCLI** A tiny pure command which fixes problems with CLI's not created by other CLI processes. A new CLI or Shell created by such programs as PopCLI or DMouse gets no path and no current directory. FixCLI very quickly and efficiently gives a path to a CLI that does not have one (it looks for other processes that have valid paths) and sets the current directory as specified if none is already set. Put it in your S.Shell-Startup script. Includes source. Author: Paul Kienitz FF429

**FixDate** Fixes future dates on all files on a disk, C program in C source code and executable. AM1

**FixDisk** A program to recover as much as possible from a defective disk. It can sometimes recover damaged (unreadable) tracks, check file integrity, check the directory structure, undelete files, copy or show files, fix corrupted directory pointers, etc. Full intuition interface. This is version 1.2, an update to version 1.0 on disk 223. Binary only. Author: Werner Guenther FF403, FF223

**FixFd** A utility for Amiga assembly programmers. FixFd will read a '.FD' file and output a file that can be 'INCLUDE'd rather than having to link with the colossal 'Amiga.Lib'. V1.0, includes source in assembly. By Peter Wyspianski FF183

**FixHunk** A program to modify executable files to allow them to run in external memory. It forces all DATA

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and BSS hunks in the file to be loaded into CHIP memory. CODE hunks will still load into FAST ram if available. New features include an interactive mode to select where each DATA or BSS hunk will load into memory, support for overlays, support for AC BASIC compiled programs, and support for new hunk types as used by 'blink'. V2.1, binary only. By D.J. James FF197, FF36, AM17, AM16

**FixIcons** A program to scan through all files in a given volume or directory, looking for project icons and changing their default tools according to instructions given in a script file. Version 1.2, includes source. Author: Lars Clausen FF303

**FixObj** Strip extraneous garbage off the end of object files transferred with modem. Does not require pre-knowledge of actual file length, uses knowledge of Amiga file structure. Version1.1 (update to copy on disk #10). Author: John Hodgson FF38, FF10, AM17, AM2

**FixWB** A program similar to 'DropCloth' (also on this disk), but not fully working yet. At least this one is provided in source, so you get your choice of a working one in binary or a nonworking one in source. Sigh. Author: Leo Schwab FF59

**FKey** includes template for making paper to sit in the tray at the top of the Amiga keyboard. AM15

**Fkeys** Adds window and screen switching functions to the function keys in conjunction with the left Amiga key. For example use the left-Amiga + F10 to get help and a remove requester. Version 1.1 includes source. Author: Torsten Jurgeliet FF562

**FlamKey** Installs a little key on the WorkBench screen title bar, and then waits in background until somebody clicks on the key. When activated, allows the keyboard and mouse inputs to be locked out until a password is entered. Shareware, binary only. Author: Alex Livshits FF105

**FlashBack** Demo version of a new backup utility. Fully functional version except for the restore operation. Features include backup of multiple partitions in one pass, backup of non-AmigaDOS partitions, backup to a file, automated unattended backups, pattern matching, and streaming tape support. Version 2.05, binary only. Author: Leon Frenkel, Advanced Storage Systems FF447

**FlashCopy** A multitasking friendly disk copier that can make nibble copies as well as standard DOS copies in about 75 seconds. Version 0.9 binary only. Author: Thomas Jansen FF555

**Flat** A filing system handler which implements block-mapped filing devices such as available under Unix. Read and write calls are mapped to low-level system IO operations which allow to treat devices such as df0, dh0, rad, etc. as big data files. These 'virtual' files can be copied, read and written just like any standard AmigaDOS file. It is even possible to copy a whole disk with the CLI 'Copy' command or to archive disks with LhArc and the like. Written as a supplement for the Amiga 'tar' program. Version 1.3, includes source in 'C'. Author: Olaf 'Olsen' Barthel FF535

**Flex** Flex is a replacement for the UNIX lex (lexical analyzer generator) program that is faster than lex, and freely redistributable. This is version 2.3, an update to the version on disk 156. Includes source. Authors: Jef Poskanzer, Vern Paxson, William Loftus, et. al. FF407, FF156

**FlightSim** A simple flight simulator AmigaBASIC program. AM9

**Flip** Allows you to quickly and easily switch between various screens. Can close screens, pull them up, and activate windows. Has the unique feature of sorting screens in a way that all title bars are visible at one time. This is version 2.0, binary only. Author: Lars Eggert FF390

**Flip** Another program in the long tradition of screen hacks. Run it and see what happens. Binary only. Author: Andreas Schildbach FF369

**Flip** Seems like Leo's gems have inspired lots of people. This one is quite cute also. Written in assembler, includes source. Author: Mike Berro FF66

**Flip** Very small program which replaces the left-Amiga-N and M commands with screen and window flipping commands. It's an excellent example of how to use PC-relative addressing within input handlers. Version 2.0, includes a technical discussion and source in C and assembly. Author: Mike Monaco and Timm Martin. FF437

**FlipIt** Possibly the strongest Reversi/Othello type game available. Shareware, binary only. Author: Adrian Millett FF512

**Flipper** A small, fast, Othello program. Does not use any look-ahead methods. Binary only. Author: Michael Sinz FF248

**FLODemo** Floorplan Construction Set demo. Fully functional except the Save IFF function is disabled and 15 pages of clip rooms have been replaced by a single sample page. This is version 1.48, binary only. Author: Jim Hennessey, Gramma Software FF452

**flood.c** Flood fill example. C program. AM4

**Flow2Troff** A little utility to convert from New Horizons Software 'FLOW' files to UNIX 'troff' files, suitable for printing on any troff-compatible laser printer.

Version 1.0, includes source and a sample 'FLOW' file. Author: Daniel Barrett FF162

**Flute** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Flyspeck** A very tiny font which is more of a gimmick than a useful font. Perhaps the tiniest font available for the Amiga. Author: Sascha Wildner FF591

**Fm** File mapper program. Uses track disk device to grab sectors and traverse the file system to find out what sectors a particular file occupies. Author: Leo Schwab FF36, AM15

**FMC** An alternative to the NoFastMem program. Uses a cute little switch gadget to turn fast memory on or off. Version 1.2, includes source in assembly code. Author: Roger Fischlin FF244

**FME** Patch to AllocMem( ) to allow badly designed programs which request fast mem without necessity to be run on 512k machines. Plus source in assembler. By: Holger Lubitz FF346

**Fme** Nicely done map editor for the Fire-Power (tm) game. Features interlaced hi-res with intuition interface. See the 'Readme.fnf' file for information on making a bootable disk. Includes source. Author: Gregory MacKay FF148

**FMouse** A mouse pointer accelerator, similar to Matt Dillon's DMouse. Includes a screen blander and 'hot keys'. This is version 1.01. Includes source in assembly. Author: Roger Fischlin FF437

**FmsDisk** A file based trackdisk simulator, useful for creating a floppy-like partition on your hard disk (so you can diskcopy to a floppy) without actually having to create a special partition for it. Also useful for testing new filesystems and such. Supports up to 32 units, with either the old filesystem or the new fast filesystem. Includes source. Author: Matt Dillon FF294

**FmctnKeys** Text file explains how to read function keys from AmigaBASIC. AM9

**FO** Fast Optimizer is a new optimizer for AmigaDOS disks. It can optimize one disk in less than 2 min, 30 sec. FO supports WorkBench or CLI modes and allows you to use unformatted disks as the destination. At least 1 Mb memory required. This is version v1.0. Includes some source in C. Author: Fabien Campagne. FF537

**FoCo** Format controller. A graphical user interface for disk formatting. Pops up on disk insertion or via hotkey. This version 1.1. Requires OS 2.0. Includes source. Author: Michael Balzer FF566

**FontConv** Converts Macintosh Postscript type 1 and type 3 fonts to the IBM Postscript type 1 and type 3 format. Also converts Macintosh bitmap screen fonts to the Adobe binary format (abf). Version 1.2, binary only. Author: Gary Knight FF528

**FontConvert** A printer font conversion program to convert standard Amiga fonts into a form suitable for downloading to a printer that supports user defined printer fonts. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF393

**FontEditor** Does what the name implies, edits fonts. Author: Tim Robinson Author's suggested shareware donation: \$5 FF30

**FontList** Prints a list of the fonts in the FONTS: device to the printer. Prints name, available sizes and some text using the specified font. Includes source in Modula II. Author: Robert Brandner FF549

**Fonts** Several miscellaneous new fonts for your enjoyment. Author: (Several) FF81

**foogol** Just what you've been waiting for, a foogol cross compiler for your Amiga that generates VAX assembly code. Now you can port all those Amiga foogol programs to your VAX! Seriously, foogol-IV is a tiny Algol like language and this is a compiler for it. Includes source. Author: Per Lindberg FF66

**Foreach** A simple but useful program that expands a wild card file specification and then invokes the specified command once per expanded filename, with the expanded filename as the command argument. Includes source. Author: Jonas Flygare FF138

**Form** File formatting program through the printer driver to select print styles. AM15

**Format** A replacement for the Workbench 2.x 'Format' command with many additional features and a basic gadttools interface. Can be made resident and sports a number of additional command line options. Also included is a code fragment which will correctly initialize data media of any size (floppy disks or hard disk partitions) which works both under Kickstart 1.2/1.3 and 2.x. Version 1.1, includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**Formatter** A faster and more user friendly floppy disk formatter that is also an example of how to format Amiga file systems in general and get AmigaDOS to accept them. Formatting without verify takes about 50 seconds, with verify takes about 100 seconds. Version 2.7, includes source. Author: Olaf Barthel FF398, FF377

**Formulae** An implementation of basic propositional formulae manipulation routines in Scheme (Scheme is available on disk 149). Uses only essential procedures

so it should run under any Scheme. Includes source in Scheme. Author: Gauthier Groult and Bertrand Lecun FF316

**Fortune** Randomly display a 'fortune' selected from a fortunes file (supplied), by text or voice. The 'fortunes' file is easily modified or added to by the user, using any text editor. New version will work from the Workbench or CLI. Version 2.04g, update to version on FF311, source included. Author: George Kerber FF369, FF311

**Fpic** Fpic is an image processing program, designed specifically to be used in conjunction with digitized (Digi-View) lo-res black & white IFF picture files. Provides several filters, including average, binary (threshold), clipblit, cross, Sobel, Roberts, pixelize, sharpen, and a user defined matrix. Also supports merging of two images, histogram, image compare, and remapping. Binary only. Author: Bob Bush FF71, AM20

**FracBlank** A commodities screen blander written for AmigaOS release 2.x. When running will blank the screen and start to draw real plane fractals such as described in the September 1986 issue of Scientific American. The resulting images may remind you of spiders' webs lace or even the Chladnian patterns formed by grains of sand strewn across a vibrating surface. This is version 1.8 an update to version 1.4 on disk 535 and includes numerous bug fixes and enhancements (such as multicolor mode). Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF588

**FracBlank** A commodities screen blander written for AmigaOS release 2.x. When running will blank the screen and start to draw real plane fractals such as described in the September 1986 issue of Scientific American. The resulting images may remind you of spiders' webs, lace or even the Chladnian patterns formed by grains of sand strewn across a vibrating surface. Version 1.4, includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**FracGen** A fractal generator program that generates fractal pictures from 'seeds' that you create. This is unlike any of the other 'fractal generators' I've seen. It can be used to load and display previously created fractal pictures, modify existing fractals, or create your own fractals. V 1.23, binary only, update to FF142. By Doug Houck FF188, FF142

**Fractal** A fractal program which produces a random square fractal terrain. Author: John Olsen FF52

**fractal** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**FractalLab** Investigate the realm of fractals and allow your imagination to run wild. Virtually an unlimited number of these self-similar curves can be created with FractalLab. Includes several interesting samples. Version 1.0, binary only. Author: Terry Gintz FF391

**Fractals** A Fractal generator that generates many different types of fractals based on the iteration of complex-valued formulas. The program can generate the Mandelbrot and Julia sets, as well as the sets of more unusual formulas such as lambda^COS(Z) and Newton-R. Version 2.1, includes source and some sample creations. Author: Ronnie Johansson. FF371

**Fractals** draws great fractal seascapes and mountainscapes. AM15

**Fractals Part I:** An introduction to the basics of fractals with examples in AmigaBASIC, True BASIC, and C. Author: Paul Castonguay AC2

**Fractals Part II** : Part II on fractals and graphics on the Amiga in AmigaBASIC and True BASIC. Author: Paul Castonguay AC4

**Fractals: Part III:** AmigaBASIC code that shows you how to save/load pictures to disk. Author: Paul Castonguay AC6

**Frag** Two CLI utilities that show disk and file fragmentation on AmigaDOS floppies. Includes source. By: David Gay FF278

**FragIt** A dynamic memory thrasher for the Amiga. FragIt randomly allocates and deallocates pseudo-random size values of memory, ranging from 16 bytes to 50000 bytes by default. The result is an allocation nightmare, thousands of memory fragments are being created and destroyed continuously. This puts stress on the memory allocation routines of an application undergoing testing by simulating a very busy, highly fragmented memory environment. This is version 2.0, featuring many bug fixes, a full intuition interface, configuration settings via the icon, and more. Includes source. Author: Justin V. McCormick FF243

**FragS** Reports the number of free blocks of size 2^(n-1) to (2^n)-1 for n up to 24 (blocks of max size 16Mb-1). Translation: Gives you some idea of how fragmented your free memory is. Includes source. Author: Mike Meyer FF69

**Free** A little command to put in your c directory that returns memory status and number of tasks currently served by EXEC. Includes source. Author: Joerg Ansluk FF159, FF66

**Free** Display how much free space (bytes or blocks)

# Freely Redistributable Software

you have on any or all of your mounted disk volumes. Runs from CLI only. Based on 'Free' by Tom Smythe on the Fish Disk 66, but totally rewritten and enhanced. Version 1.01, includes source. Author: Daniel Jay Barrett FF388

**FreeCopy** FreeCopy is unlike most copiers in that it does not actually copy disks. It removes the protection so disks can easily be backed up with almost any program, and in some cases be installed on your hard drive. Version 1.4, binary only. Author: Greg Pringle FF498

**freedraw** A small 'paint' type program. Free drawing, boxes, filled boxes, etc. Author: Rick Ross FF1, AM1

**freemap** Creates a visual diagram of free memory. Comes with custom icon so can be run from workbench screen. Author: Robert J. Mical FF5, AM4

**FreePaint** A freely redistributable painting program much like the popular DPaint program. Version 37 an update to version 35z on disk 548. Binary only. Author: Stefan G. Boldorf and Björn-Eric Trost FF627

**FreePaint** A freely redistributable painting program, much like the popular DPaint program. Version 35z, binary only. Author: Stefan G. Boldorf FF548

**FRex** A general purpose file requester, which was designed to be easy to use and fast, with a built-in AREXX port allowing you to use it from AREXX scripts or applications with AREXX ports. Version 1.0, binary only. Author: Jeffrey D. Wahaus FF308

**Friends** Cute little screen hack with command-line options to keep your mouse pointer company when you step away. Includes source. Author: Michael Warner FF161

**fscape** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**FTOHEX** Part of DASM used to convert a DASM executable into an intel-hex formatted ascii file. FF168 & 169

**fullfunc.txt** List of #defines, macros, functions. C program. AM4

**FullReset** A program to get rid of all viruses, vector modifying programs, and residents, by forcing a specific reset. Binary only. Author: Jurgen Klein FF283

**FullView** A text viewer that uses gadgets at the bottom of the screen (thus can display text 80 columns wide) opens up to the full size of the Workbench screen displays ANSI color sequences and can load files compressed by PowerPacker. Also shows IFF pictures (which can also be compressed). This is version 3.04 an update to version 2.02 on disk 412 binary only. Author: Jonathan Potter FF583, FF412, FF287, FF242

**FullWindow** Resizes any CLI window using only CLI commands. Executable program and documentation. AM18

**Fully Utilizing the 68881 Math Coprocessor Part III:** Timings and Turbo\_Pixel Function. Author: Read Predmore. AC11

**FunBut** Lets a function key act like a rapid series of left mouse button events. AM26

**FuncKey** A shareware function key editor, submitted by the author for inclusion in the library. This is version 1.1, an update to the version on disk 89. Binary only (source available from author). Author: Anson Mah FF106, FF89

**FuncLib** A program that allows you to add or remove rexx function libraries. Author: Jeff Glatt, Dissidents Software FF393

**Function Evaluator:** A program that accepts mathematical functions and evaluates them. Written in C. By Randy Finch AC6

**Funds** AmigaBASIC program to track the prices of mutual funds or stocks. Includes source. Author: Bill Strack FF74

**Furnish** For those of you who may have ever used the 'scale size cut and place' method of determining your next living-room arrangement, this Amiga-ized version may be just what you need. Binary only, shareware. Author: Terry Gintz FF175

**gad** 'Fun with Gadgets'. Demonstration program for use of gadgets. Author: John Draper (aka 'crunch') FF1

**GadgetED** A program for creating and editing intuition gadgets. Includes a palette editor, generation of either C or assembly source, and binary saving for later loading and editing. Also comes with PatchGE, a program for converting the original format of GadgetED binaries to be loadable by this and future versions. Version 2.3, an update to version 2.0 on disk 438, includes source. Author: Jan van den Baard FF475, FF438

**Gadgets** Bryan Catley's AmigaBASIC tutorial. Source code and documentation. AM19

**Gadgets** Tutorial on gadgets from J. Draper. AM2

**GadToolsBox** A program that lets you draw/edit GadTools gadgets and menus and then generates the corresponding C or assembly code for you. This is version 1.0 an update to the version on disk 547 where it was known as PowerSource. Includes source. Author: Jan van den Baard FF570

**GALer** GALs (Generic Array Logic) are program-

mable logic devices. 'GALer' is the software and the hardware which is necessary to program your own GALs. The supported GAL-types are GAL16V8 and GAL20V8. The circuit diagram for the GAL device programmer is available from the author. Version 1.3 shareware includes source German version only. Author: Christian Habermann FF633

**GamePort** A toolkit with link time and shared libraries that allow easy access to the GamePort device. Includes examples and test programs. Version 1.1, binary only. Author: Paris Bingham FF446

**gameport** Text, game port spec. AM5

**Garden** makes fractal gardenscapes. AM22

**Garfield** Garfield in LoRes FF72

**Garylcons** A collection of more interesting and useful icons. Author: Gary Roseman FF190

**Gauge** Continuously displays memory usage in a vertical bar graph, similar to the workbench 'fuel gauge' type display for disk space. Binary only. Author: Peter da Silva FF111

**gbox** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**GDiskDrive** Text instructions to make your own 5 1/4 drive. AM8

**GearCalc** A bicycle gear ratio calculator. Version 2.0, binary only. Author: Ed Bacon FF514

**Gears** A program to calculate and display the gears of a multispeed bicycle. Works for bicycles with 3 to 21 gear combinations. Version 1.1, includes source. By Joel Swank FF304

**Gels in MultiForth Parts I & II:** Learn how to use Gels in MultiForth. Author: John Bushakra AC1

**Gels in Multi-Forth-Part 3:** The third and final part on using Gels in Forth. Author: John Bushakra AC5

**geltools.c** Tools for VSprites and BOBs. C program. AM4

**Gemini Star-10** Printer driver for the Gemini Star-10. AM9

**Gen** Program indexes and retrieves C structures and variables declared in the Amiga include file system. AM16

**Genesis** A uniquely flexible and powerful program for generating and rendering fractal landscapes. Original algorithms allow incorporating fractal rivers as integral parts of the landscapes, with natural looking river valleys, gulleys, waterfalls, and lakes. A number of parameters can be varied to modify the landscape construction process and change the character of the final landscape, there is also great flexibility in the rendering. This is a demo version of the commercial product by the same name available from Microillusions and has some features disabled. Binary only. Author: James M. Bardeen FF501

**GeoTime** A couple of interesting 'clock' type programs based on the 'Geochron'. Observe the earth's shadow scroll across a map or globe in real-time, based on the system clock. V1.0, binary only, shareware. By Mike Smithwick FF180

**GetDisks** Sample program to find all available disk device names and return them as a simple exec list. The list is made of named nodes, with the name being the device name. By Phillip Lindsay FF56

**GetFile** A very nice filename requester with source code. By Charlie Heath FF41

**GetImage** An enhanced version of 'gi' from disk 14. It now looks for the GRAB marker, in the brush file, instead of assuming that it is at a specific place, sets up the PlanePick value in the Image structure, and deletes any unused bitplanes to save memory and disk space. Includes source. Author: Mike Farren, enhancements by Chuck Brand FF345

**Getsprite** A simple little program to convert DPaint brushes into C-source. Binary only. Author: Michael Warner FF161

**Getting to the Point:** Custom Intuition pointers in AmigaBASIC. Author: Robert D'Asto AC10

**GetVolume** Sample program to get the volume name of the volume that a given file resides on. Works on the device name, even the RAM: device. Author: Chuck McManis FF56

**gfxmem** An updated version of the graphical memory display program first released on FF1. Watch your machine's memory usage change dynamically under use! Author: Louis Mamakos FF14, FF1, AM4, AM1

**gi** Converts DPaint brush files to C source files 'necessary to create an image structure, including height, width, depth, and color information, as well as the array of data which represents the bit planes of the image'. Author: Mike Farren FF14

**GIFMachine** A program that will convert CompuServe GIF image files into IFF SHAM and 24bit ILBMs. It offers a number of extra options like dithering, horizontal and vertical flip, as well as automatic border removal. Requires KickStart version 2.0 or greater to run. This is version 2.137, an update to version 2.116 on disk 458. Includes source. Author: Christopher Wichura FF541, FF458, FF405

**Glat's Gadgets:** Using gadgets in Assembly language. Author: Geoff Glatt AC6

**Glib** A text screen oriented librarian and editor for synths. Supports the TX81Z, DX100, DEFP5, DW8000, and K-5. Includes source. By Tim Thompson, Steve Falco, and Alan Bland FF228

**GlobeDemo** A graphics demo which displays very smooth transitions of the rotating earth. Features a pop-up menu. Includes source. Author: Bob Corwin FF151

**Globulus** Demo version of a new arcade game that is reminiscent of the old Q-bert game. You control a cute little character and hop him around pathways in a diagonal kind of world, while trying to avoid bad things and catch good things. Binary only. Author: Innerprise FF449

**GMC** A console handler with command line editing and function key support. GMC provides extended command line editing function key assignment in four levels extended command line history online help for functions in the handler and an iconify function. Also includes an output buffer (dump to printer and window) filename completer script function undo function prompt beeper pathname in window title close gadget for KS 2.0 etc. This is version 9.11 an update to version 9.8 on disk 434 with some new features and some bug fixes. Shareware binary only. Author: Goetz Mueller FF587, FF434, FF398, FF387, FF291

**GnuAwk** GNU awk is the GNU Project's implementation of the AWK programming language. It conforms to the definition and description of the language in The AWK Programming Language, by Aho, Kernighan, and Weinberger, with the additional features defined in the System V Release 4 version of UNIX awk. Version 2.10 beta, includes source. Author: Paul Rubin, Jay Fenlason, Arnold Robbins, et al. FF406

**GnuGrep** The grep program from the GNU project. Replaces grep fgrep, egrep, and bmgrep. This is an update to version 1.5 on disk 295 and now handles AmigaDOS style wildcard specifications. Includes source. Author: Many (see README file) FF406, FF295, FF204

**GNUPlot** An interactive function and data plotting program which supports a great number of output devices. Includes extensive on-line help. This is version 3.0 an update to version 2.0 on disk 526. New features include support for surfaces more flexible data file handling unified PostScript support and more. Includes source. Author: Thomas Williams Colin Kelley et al. FF552, FF526

**Go64** Another screen hack aimed at an earlier Commodore product (Not to be confused with the commercial product Go-64! from Software Insight Systems). With source. By Joerg Ansliek FF156

**GodsDemo** Playable demo of a very popular European game. Author: Bitmap Brothers FF496

**GOLD** Game of Life - Duo. A 'Game of Life' extension. This one uses TWO strains of cells allows free redefinition of the rules and contains the original game as a subset. This is version 1.0 includes source in C and assembly. Author: Andreas Neubacher FF597

**Gomf** Gomf stands for 'Get Out My Face', a phrase many a programmer has mumbled when a Guru alert appears unexpectedly. This interesting little program can generally make the Guru go away and allow you to clean up and shutdown more cleanly. Version 1.0, binary only. Author: Christian Johnsen FF95

**gomoku** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM3

**gothic** Gothic banner printer. Prints DOWN the page, rather than across, so arbitrarily long banners can be created. Send EOF (CTRL-\) to end input. From a Decus C distribution several years ago. FF3

**GoWB** Very small (296 bytes) and effective replacement for the well known "LoadWB" and "EndCLI" command pair. This release fixes a severe bug in the first version which used to guru if run out of a script. With source in C. By Oliver Wagner FF346

**GPrint** A black & white graphics print utility for Epson compatible printers. Command-line options allow several different print qualities and densities. Includes a couple of sample IFF files for printing. V2.03, binary only, shareware. By Peter Cherna FF180

**Graffiti** Demo version of an art program with a feature set somewhat less than DPaint but more than many other such programs. Has a few special functions included like autoscrolling converting screens to other resolutions changing RGB values of the whole screen fast autoscrolling magnifier and many others. This is version 1.6e an update to version 1.5 on disk 610. Shareware demo binary only. Author: Marcus Schiesser FF620, FF610, FF531

**Grammars** A group of lexical grammar files for Ada, C and Pascal for use in conjunction with the flex program on this disk and the bison program on FF 155 By various authors, submitted by William Loftus FF156

**Graph** A program that draws mathematical functions

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on a plane. Text and axes may be added, and the result saved to disk or printed. Uses a full Intuition interface with multiple windows (one per graph), requesters, etc. V1.0, with source. By David Gay FF280

**Graph** Function graphing programs. AmigaBASIC Program. AM3

**graphics.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**GraphicsPak** A set of functions for general graphics operations such as boxes/lines, blitting, and opening/closing the libraries. It is used by both of the PopMenu and ListWindow test programs. Includes source. Author: Paul Thomas Miller FF368

**GraphIt** A program to plot most simple functions in 2 or 3 dimensions, as well as 2d parametric equations in term of t. Includes source. Author: Flynn Fishman FF97

**Gravity** A program which simulates the movements of astronomical objects under the influence of gravity. For example, you can simulate the solar system or two stars circling around each other. Version 1.0, binary only. Author: Guido Burkard FF422

**gravity** Sci Amer Jan 86 gravitation graphic simulation. In C source code and executable. Documentation included. AM13

**Gravity-Well** A celestial motion simulator that simulates the motion of up to twenty bodies in a Newtonian universe. The view of the simulation may be scaled, rotated in three dimensions or repositioned. Includes source. Author: Gary Teachout FF250

**GravityWars** The object of this game is for one player to hit the other player's ship with a missile, before being hit yourself. The ships and planets don't move, but aiming the missile in the presence of gravity fields and black holes makes hitting your target difficult. Version 2.0, shareware, binary only. This is an update to the version on FF84. Author: Ed Bartz FF105, FF84, FF70

**GravSim** A program to animate up to 6 planetary masses, all of which exert a mutual gravitational force on each other. The planetary masses can be placed anywhere on the screen, and their mass and initial velocity can be determined by the user. The program then steps the animation through time, plotting and displaying the new position in the trajectory of each mass. V1.50, includes source. Author: Richard Frost FF223

**GreekFont** A 12 point font with Greek letters. Version 1.0. Author: Daniel Moosbrugger FF474

**grep** Decus grep (Get Regular Expression and Print). Useful for finding strings in files. Author: Unknown FF4, AM1

**Grids** Draw sound waveforms, and hear them played. AM15

**Guardian** Another virus diagnosing and vaccination program. Recognizes any non-standard bootblock. Includes a small utility program to permanently place the program on a copy of your kickstart disk in place of the seldom (if ever!) used Debug() function. Binary only. Author: Leonardo Fei FF154, AM25

**Guru** Guru fantasy in LoRes FF72

**Guru** Handy 'guru' number interpreter (well, handy after reboot anyway!). Tells you what '81000009' means, for example. CLI usage only. Standalone image with readme file. Source code included. Author: Mike Haas FF239, AM25

**GuruMed** Text file explains the Guru numbers. This is an older file. AM8

**GurusGuide** The source files for all examples published in the 'Guru's Guide, Meditation #1: Interrupts' by Carl Sassenrath, the architect of the Amiga's low-level multitasking operating system and designer of Exec. Author: Carl Sassenrath FF203

**Gwin** This is version 2.0 of GWIN restructured as an AMIGA shared library. GWIN or Graphics WINdow is an integrated collection of graphics routines callable from C. These routines make it easy to create sophisticated graphics programs in the C environment. One-line calls give you a custom screen (ten types available) menu items requesters text circles polygons etc. GWIN is a two-dimensional floating point graphics system with conversion between world and screen coordinates. GWIN includes built-in clipping that may be turned off for speed. Use of color and XOR operations are greatly simplified. Many examples of the use of GWIN are included in an examples directory. Examples include line/bar graph program SPICE 2G.6 graphics post-processor and others. Extensive documentation is included. This is an update to version 1.1 on disk 433. Author: Howard C. Anderson. FF571, FF433, FF322

**GwPrint** An intuition-based text file print utility. Offers a wide selection of adjustable features for controlling pagination, headers, trailers, margins, date and page-numbering and various print styles/sizes. Version 2.0, binary only, shareware. Author: Gaylan Wallis FF367

**H21** Translates C include files into assembler include files. Useful for programmers that use both C and assembler code in the same program. Helps to keep

the structure definitions consistent. Version 1.1, shareware, binary only. Author: Goetz Mueller FF387

**H2J** Converts 'C' style '.h' include files to JForth style '.j' files. Useful when developing interfaces to new Amiga libraries like ARP, etc. Standalone image and source code. By Phil Burk FF239

**Hack** This disk contains a port of the popular UNIX game 'Hack', done by John Toebes and the crew at the Software Distillery. This is version 1.0.3D. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form 'copy df0: to df1: all'. This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named 'Hack.Game'. I have elected to keep that name, rather than using the usual 'AmigaLibDiskXX' convention for disks in my library, to avoid requiring users to rename the disk before using it. Released April 11, 1987 FF62, FF25, FF8&FF7

**HackBench** HackBench provides the source for a WorkBench-like program, for experimentation and validation of new interface ideas. It is not intended to be an actual WorkBench replacement. Author: Bill Kinnersley FF96

**HackerSln** Text file explains how to win the game 'hacker'. AM9

**HackLite** This is the latest version the Amiga port of Hack, with lots of Amiga specific enhancements and neat graphics. Now includes an easy to use installation program. This is HackLite V1.0.0, binary only. By Software Distillery FF187

**HagenDemos** Joel Hagen's Badge Killer Demo contest entries, 'RGB' and 'Focus'. RGB was the overall winner of the contest. It requires one meg Amiga. Binary only. By: Joel Hagen FF112

**haiku** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**hal9000m** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**halfbite** Sample program that demonstrates 'Extra-Half-Brite' mode on latter AMIGA's with new VLSI chip. Allows 64 colors in low-res mode, rather than 32. Posted to usenet by Robert Pariseau. FF1, AM1

**halley** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Ham Bone:** A neat program that illustrates programming in HAM mode. Author: Robert D'Asto. AC9

**HAMCu** Installs a custom copper list for the current active view (usually workbench) that contains all the colours from 0x000 to 0xffff. A neat effect and an easy way to show off the color capabilities of the Amiga. With source by Jonathan Potter FF204

**Hames** Some miscellaneous programs from Chris Hames. DirWork V1.01 is a fast, small, simple efficient DirUtility. FSDirs V1.3 is a floppy accelerator program. VMK V27 is a small virus detector/killer that knows about 27 different viruses and can detect new ones. Nofno V1.0 stops programs from producing '.info' files. Binaries only. Author: Chris Hames FF328

**HamLabDemo** Demo version of an expandable image format conversion utility. Converts GIF, TIFF, PBMPPLUS, Spectrum 512, MTV, QRT, and Sun images into HAM and SHAM. Images can be scaled, dithered, color corrected, and cropped. This demo version is limited to processing images of 512 by 512 pixels or less. Version 1.1, shareware, binary only. Author: J. Edward Hanway FF466

**HAMmmm** This is Phil's entry for the Badge Killer Demo Contest. HAMmmm displays lines whose end points are bouncing around the screen, which is a double buffered HAM screen. The Y positions of the points are continuously copied into an audio wave form that is played on all four channels, and the pitch of a just intoned chord is derived from the average X position of these points. Includes source in JForth. Author: Phil Burk FF118

**HAMmmm2** Graphics hack that displays moving lines in a HAM screen for a hypnotic effect. Uses sound tools from HMSL, if available, for a drone sound that corresponds to the graphics image. Standalone image and source code. By: Phil Burk FF239

**HamPics** These are some of the most stunning digitized pictures yet for the Amiga. They were scanned at a resolution of 4096 by 2800 pixels, 36-bits per pixel, on an Eikonix 1435 slide scanner, cropped, gamma corrected, scaled, and converted to Amiga IFFHAM files. They are displayed with a special ILBM loader that handles overscan HAM images. Includes source for the display program. Author: Jonathan Hue FF196

**HAMPoly** A polygon drawing demo which uses HAM mode to produce polygons of any of the possible 4096 colors. Author: John Olsen FF52

**hand.** A program is also included for restoring the correct checksum of the Kickstart disk. AM25

**Handler** An example that implements an AmigaDOS Handler (device) in non-BCPL format. Author: Phillip Lindsay FF38

**Handling Gadget and Mouse IntuiEvents:** More

gadgets in Assembly language. Author: Jeff Glatt. AC9

**Handshake** A full featured VT52/VT100/VT102/VT220 terminal emulator. The author has taken great pains to support the full VT102 spec. Supports ANSI colors, screen capture, XPR external protocols, user selectable fonts, ARexx, and more. This is version 2.20c, an update to version 2.12a on disk number 172. Binary only, shareware. Author: Eric Haberfellner FF449, FF172, FF60

**HandyIcons** Adds a menustrip to the WorkBench window that allows you to run selected Workbench Tools by menu selection. Can be set up to provide custom environments. Current version supports only WorkBench Tools and not Projects. Binary. by: Alan Rubright FF148

**Hangman** A simple hangman program similar to one seen on some UNIX machines. Currently runs only from CLI. Includes source in C. Author: Gary Brant FF299

**Hanoi** Classical demo program for recursion. Solves the towers of hanoi problem in a workbench window of its own. Author: Ali Ozer FF54

**HappySong** A song created using the freely distributable program MED V.2.10. Player program included. Author: Alex Van Starrex FF401

**HardCopy** A neat little program that creates a hardcopy transcript of any CLI session (like the UNIX 'script' program). Includes source. Author: David Cervone FF75

**harp arpeggio** Sound demonstration icon-driven part of a set on AMICUS 10. AM10

**Hash** Small example program that computes the AmigaDOS directory hash function. By Neil Katin at Commodore-Amiga FF20

**hauntedM** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Hawk** A stereo image of a hawk. Requires red/green stereo glasses to view. No documentation, author unknown. FF206

**HBHill** This animation is one of Kevin's entries to the Badge Killer Demo Contest. It is the first known animation that makes use of the Amiga's 'Extra Half Brite' mode. Author: Kevin Sullivan FF126

**HCC** Amiga port of Sozobon, Limited's C Compiler, version 2.0. Can completely compile itself, supports 32 bit ints, and optimizer can 'registerize' variables. Includes compiler, optimizer, tool for creating interface code for Amiga system calls, startup code, C library, include files, and library routines that work with Motorola FPP format. Uses assembler A68k, linker BLINK, and provided run-time shared C library CCliblibrary. Includes source. Author: Sozobon, Limited. Amiga port, bug fixes and enhancements by Detlef Wuerkner FF508

**Hd** Hex dump utility using some ideas from Mike Higgin's article in Computer Language magazine, Apr 86. Formats the dump based on the natural byte ordering of the machine on which it runs. Author: David Elins at NEC Information Systems FF20

**HDClick** A program selector / Harddisk-menu.

Programs can be started easily by clicking on gadgets which can be defined by the user. This is version 2.0 an update to version 1.21 on disk 439. This version includes sub-menus functions to edit the gadgets preferences to change colors a 'Small'-window Hotkey-iconify and more. Includes PAL and NTSC versions. Comes with Config\_Tool 1.62 by Manfred Gillert a tool to edit HDClick-configfiles easily and with other useful functions. Binary only shareware. Author: Claude Mueller FF605, FF439

**HdDriver** A complete driver for a WD-1002-05 hard disk controller card. This card can handle 3 hard disks and 4 floppies, but the driver currently only handles one hard disk. Includes source. Author: Alan Kent FF98

**HeadClean** This program, combined with a fibre cleaning disk, can be used to clean the heads on your disk drives. Source code examples of accessing the Trackdisk device, and using gadgets are included. Standalone image with source code. Shareware. Version 2.0. Author: Phil Burk FF239

**HeadGames** A 'Shoot-Em-Up' game done with SEUCK game constructor, featuring digitized heads as enemies. Binary only. Author: Neil Sorenson FF425

**Heart3D** A program to find left ventricle outlines in the output of an Imatron CT scanner, and display wireframe animations of the beating heart. Includes several sample CT scan outputs. Binary only. Author: Jonathan Harman FF236

**Hed** A handy little editor that is more user-friendly than 'Ed', yet doesn't require the memorization of complicated keystrokes of some of the larger, more powerful, editors. Binary only. Author: Hal Carter FF164

**HeliosMouse** Another 'sunmouse' type program. Automatically activates a window simply by moving the mouse pointer into the window. V1.1. Includes source. Author: Davide Cervone FF111, FF94

**hello** Demonstrates creation of a simple window, 'hello

# Freely Redistributable Software

world'. Posted to usenet by Eric Lavitsky. FF1, AM3, AM4

**Helper** A little InputEvent hack, activated via the HELP key. Originally meant to provide a unique method of giving the user help (you don't have to put that help stuff into your own program). Now also contains a color requester and a small notepad. Version 1.01, with source. By Michael Balzer FF332

**Henon** A program for drawing Henon pictures. Includes 3 example parameter collections. Freeware. Binary only. Author: Stefan Zeiger FF636

**Hex** A file-based binary file editor with lots of features. Version 1.0, shareware, binary only. Author: Nicola Salmoria FF517

**HexCalc** Nice little hex/oct/dec/bin calculator and converter. Binary only. Author: Scott Ross FF67

**HexDump** Modula-2 program to display memory locations in hexadecimal. AM26

**hidden** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**Hide** A small utility to allow you to run old or ill-written applications on systems with expansion RAM. When hide is running, all memory allocations take place in chip memory. Somehow, something like this missed making it onto my earlier disks. Binary only. Author: Francois Rouaix FF85

**High Octane Colors:** Use dithering in AmigaBASIC to get the appearance of many more colors. Author: Robert D'Asto AC5

**hilbert** An AmigaBASIC that draws Hilbert curves. AM11

**Hollywood** An easy to play trivia game with such subjects as M\*A\*S\*H, Star Trek (old and TNG), Indiana Jones, general television trivia, and more. Each topic contains fifty questions and a related picture. Each time you answer a question right, a small portion of the picture is added to the screen. Shareware, binary only. Author: FF423

**horse whinny** Sound demonstration icon-driven part of a set on AMICUS 10. AM10

**Horse&Buggy** Hanson cab in an IFF picture. AM7

**Horses.pic** Horses in an IFF picture. AM6

**Household** Bryan Catley's AmigaBASIC household inventory program. In C source code and documentation. AM19

**HOW** A game where the aim is to get a ball from the start square to the exit square while trying to turn all squares to the same color. As the ball moves across a square the color of the square changes in a cyclic order of four colors. Also includes a level editor program. Freeware binary only. Author: Peter Handel FF595

**Hp** A nice RPN calculator program that supports calculations with binary, octal, decimal, hex, float, and complex numbers. Other features include 32 registers for storing data and transcendental functions. Version 1.0, includes source. By: Steve Bonner FF130

**HP-10c** Program that mimics an HP-10c (Hewlett Packard calculator), in TDI/Modula2. By: Duncan Prindle FF38, AM18

**HP11** Emulates an HP11C calculator including the program mode. Features an ON/OFF button that turns the calculator into an icon that will sit and wait until you need it again. This is version 1.1, an update to FF153, and includes a few bug fixes and minor changes. Binary only. By: David Gay FF274, FF153

**HPMam** A program to manipulate settings and fonts on HP LaserJet+ printers and compatibles. Includes an Intuition interface and some sample picture files. Version 1.0, binary only, shareware. Author: Steve Robb FF153

**HPMode** A script file that sets fonts attributes and some printer commands for the Hewlett Packard DeskJet 500 printer. It accesses some features of the DeskJet that are difficult to set from preferences or the printer. Version 1.0 binary only. Author: Doris Ballard FF555

**HR136** An IFF file containing a chart showing every possible mixture of the sixteen basic palette colors. Also included are optimized and monochrome palettes along with several tips and techniques for using them with various paint programs. By Dick Bourne FF182

**HuePalette** An AmigaBASIC program which explains Hue, Saturation, & Intensity. AM9

**Humartia** An arcade game where each player controls a jet and must destroy the opponents jet, which is accomplished when a jet has been hit 75 by either missiles or air mines. Binary only. Author: Jason Bauer FF462

**HunkFunk** A program to disassemble any given AmigaDOS hunk file, which includes executables, linker libraries, linker object files, overlayed files, etc. Written as an exercise by the author to learn a few things about AmigaDOS hunk structures. Includes source. Author: Olaf Barthel FF398

**HunkPad** HunkPad pads an object file out to where it is exactly a multiple of 128 bytes, thus making it immune to having garbage appended on to the end of it by xmodem type file transfer protocols. Version 2, includes source. By J. Hamilton FF92, FF84

**HyperBase** Nice little shareware database management system. Version 1.6, binary only, source available from authors. Author: Michael MacKenzie, Marc Mengel, and Craig Norborg FF131, FF58

**HyperDialer** Database for names and addresses, full intuition interface. Dynamically allocated, with configurable script startup file. Iconifies to titlebar icon. Search, sort, insert, delete, full file requesters. Uses modem to control dialing of multiple phone numbers. Binary only, shareware, with source available from author. Author: David Plummer FF367

**HyperNet** A small hypertext shell program for Amiga, presented with sources and brief documents. It was also submitted by Glenn Everhart, the author. HyperNet allows a 'master' AmigaDOS process to control a series of connected processes, where the connections are randomly ordered directed graphs. Permissible 'child' processes available at any stage are governed by the links of the graph. The implementation is mainly instructive, yet usable for tutorials or demonstrations and illustrates the simplicity of hypertext concepts on a multi-tasking system. FF176

**Hypno** A 'bouncing polygons' type program like Mackie, LineArt, and Bezier. Includes source in C. Author: Markus Schmidt FF297

**Hypocycloids** An electronic Spirograph inspired by an article in 'Feb '84 Byte Author: Terry Gintz FF27

**IBM2Amiga** Fast parallel cable transfers between an IBM and an Amiga C program. AM1

**ICalc** An expression calculator with many powerful features, including user-defined functions and variables, many built-in functions, script files, and special looping constructs. Handles expressions involving both real and complex numbers. This is version 1.1, an update to version 1.0 on disk 472. Includes source. Author: Martin Scott FF550, FF472

**IceFrac** A fractal generator using the Diffusion Limited Aggregation algorithm, as described in the book The Beauty of Fractal Images. This is version 2.1 and includes source. Author: Lars Clausen FF303

**Icon** A high-level programming language with extensive facilities for processing strings and lists. Icon has several novel features, including expressions that may produce sequences of results, goal-directed evaluation that automatically searches for a successful result, and string scanning that allows operations on strings to be formulated at a high conceptual level. Icon resembles SNOBOL4 in its emphasis on high-level string processing and a design philosophy that allows ease of programming and short, concise programs. This is version 7.5 of the public domain implementation of Icon from the University of Arizona. Binary only. Author: Ralph Griswold, Clinton Jeffery, et. al. FF277, FF81

**Icon** A tool which patches Workbench 2.x online to supply default icons for about 45 different file types ranging from LhArc archives to object code files. Enhances the 'Show All Files' option of Workbench which by default only knows two types of file icons: Tool and Project. If enabled scans all files in a directory which do not have an icon file supplied and tries to determine their file types. When done, tricks Workbench into believing that there are proper icons for these files in the directory. Includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**icon.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Icon2C** A simple tool to turn any Workbench icon file into 'C' source code, similar to the program of the same name by Carolyn Scheppner on disk number 56. This version has an arp interface and offers support for Kickstart 2.0 icons. Version 1.2, includes source. Author: Olaf Barthel FF377

**Icon2C** Reads an icon file and writes out a fragment of C code with the icon data structures, for inclusion in a larger program. Author: Carolyn Scheppner FF56

**Iconaholism** A selection of some very nice looking icons designed for an 8-color WorkBench. Includes script files to view the icons in their intended colors. Author: R.G.Tambash FF364

**IconAssembler** This program loads existing WorkBench icon files and allows you to change either the primary or alternate images to another image loaded from an IFF-brush file. Binary only. Author: Stefan Lindahl FF101

**IconExec** These two tools allow execution of a program from a SetWindow icon without having to recompile the program. Author: John Toebes VIII FF12, AM8

**Iconify** A subroutine that creates an icon on the Amiga screen that can be subsequently dragged around, and double-clicked on. You can use this to have your programs 'iconify' themselves to temporarily get out of the user's way. Includes source and demo program. Author: Leo Schwab FF126

**IconImage** Program to replace an old icon image with a new image, without affecting icon type, drawer data, etc. Includes source. Author: Denis Green FF120

**Iconize** Reduces the size of IFF images, companion program, Recolor, remaps the palette colors of one picture to use the palette colors of another. Using these programs and a tool to convert IFF brushes to Workbench icons, make icons look like miniatures of the pictures. AM24

**Iconizer** A utility program that saves your current mouse pointer to a small icon. You can restore the pointer just by double-clicking on its icon. Allows for building a whole library of pointers and to use them whenever you want. Binary only. By Alex Livshits FF150

**IconJ** IconJ significantly enhances the IconX program, and is 100% compatible. It allows scripts to be executed by double-clicking the script's icon. Abilities include joining the script with the icon file itself, or calling it from any directory or disk, executing either AmigaDOS or ARexx scripts, outputting to any file or device, running interactive scripts and scripts that contain conditionals, and creating relative console windows. Includes a utility called Ataj which attaches or detaches a script to/from an icon file. Version 1.0, includes source in JForth. By: Rich Franzen FF321

**Iconmaker** makes icons for most programs. AM15

**Iconmerger** Intuition-based program to take any two brush files and merge them into an alternate-image type icon. V2.0, binary only. By Terry Gintz FF182

**IconMk** Iconmaker builds icons for files that were created without them. Version 1.2a, binary only. Author: Eric Levy FF71

**Icons** A bunch of 8-color icons for systems running AmigaDOS 2.0. Previously released 8-color icons from the author appeared on disk 213. Author: Wolf-Peter Dehnich FF533

**Icons** A large variety of icons for many uses, of practically every description. Most are animated. By: Bradley W. Schenck FF350

**Icons** A selection of 8 color hires icons for your viewing pleasure. Author: Ernst Janesch FF635

**Icons** Almost 300 icons in eight (!) colors. Uses a special program to get an eight color workbench to display these icons, which were made with DPaintIII and IconGen. Most icons are miniatures of the main screen of their corresponding programs, or the picture they show, made with 'iconize' and 'recol' from FF85, by: Wolf-Peter Dehnich FF213, FF151, FF124, FF82, FF71, FF67, FF44

**Icons** Two collections of high-quality, consistently designed icons for the Amiga Workbench. The color collections will require an 8 color Workbench (i.e. Workbench 2.0). The black and white collections are useable on any normal 4 color Workbench. One set of icons is based on the icons supplied with the GEM windowing system, and the other set is modeled after the icons on a Silicon Graphics Personal Iris. A bonus set of ray-traced icons is included. Author: Kenneth Jennings FF546

**IconSwap** A small utility which allows you to quickly and easily swap the colors of your icons between the older 1.3 and the new 2.0-style. Version 0.14 includes source. Author: Uwe Röhms FF595

**IconTools** Four programs to manage some aspects of icons using the Intuition interface and allowing one operate on many icons at once by shift-clicking. FloatIcon 1.05 sets an icon so that the Workbench can freely place an icon in a drawer window. ReplaceTool 2.04 sets a new default tool for project icons using the Workbench icons or a file requester. ReplaceImage 1.01 changes the image of icons to that of another. Swap-Colors 1.01 swaps colors 1 and 2 in icon images. The last two programs will be useful for converting to the 'new look' of Workbench 2.0. Includes source in JForth Professional 2.0. Not related to IconTools on disk 284. Author: Richard Mazzarisi FF597

**IconTools** Here are some tools for icon tricks. Note that these tools are really hacks because they exploit some areas of the .info files that the current version of WorkBench does not clear or reset upon loading the icon. There are three programs here which allow WorkBench drawer windows to appear in non-standard colors and allow you to move the position of the file name text to anywhere in the icon's graphic. Released to the public in the hope that 1.4 will allow more flexible user customization of the WorkBench appearance. Includes source. Author: Stephen Vermeulen FF284

**ICONtroll** An easy to use CLI command that gives you control over Workbench icons. It's main purpose is to update the look of your icons for AmigaDOS 2.0 which can be done by swapping the colors in an icon or giving new images to them. Moreover it can be used to clear an icon's absolute position in a drawer or on Workbench. So it is also a helpful tool if you are not yet using AmigaDOS 2.0. Version 1.0 binary only. Author: Stefan Winterstein FF603

**IconType** Change the type of an icon after editing with IconEd. Types are Disk, Drawer, Tool, Project, Garbage, and Device. Includes source. Author: Larry Phillips FF69

**ID-Handler** An AmigaDOS device handler, that generates unique identifiers. Generates a new unique 16 digit decimal number each time it is opened by an

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# Freely Redistributable Software

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application. Version 1.0, includes source. Author: Ed Puckett FF87

**IE** An icon editor which can create and modify icons up to 640x200 pixels in size up to 16 colors edit all non-graphical icon parameters including up to 40 tooltypes generate C source code for icon and image programming import/export IFF images recolor icons for DOS2.0 write text into icon in any font and style and much more. Demo version of IE 3.0 a major update to version 2.0 on disk number 377. Requires 1 Meg. Source available from Author. Author: Peter Kiem FF621, FF377, FF342

**IFF** A program to display single or multiple IFF files from Work-bench or CLI. It has been written in 100% assembler to be as small and fast as possible. Version 1.6 binary only. Author: Nic Wilson FF619

**IFF** A program which converts sampled sound files from the Instruments dealer demo disks to IFF sampled sound files in a FORM 8SVX Author: Bobby Deen FF43

**IFF pictures** parodies of the covers of Amiga World and Amazing Computing magazines. AM16

**IFF** Routines to read and write IFF format files. Includes program to display IFF files made by DPaint. Also see the DPSlide program on disk 11. By Jerry Morrison, Steve Shaw, and Steve Hayes FF10

**IFF specs** This disk contains a number of files describing the IFF specification. These are not the latest and greatest files, but remain here for historical purposes. They include text files and C source examples. The latest IFF spec is elsewhere in this library. AM5

**iff2Ansi** Turns any two-color low-res IFF picture into ANSI text that can be displayed on any ANSI compatible terminal. This is version 0.1, includes source in assembly. Author: Carnivore/BeerMacht FF449

**iff2C** Another IFF ILBM to C converter. Two unique features are the ability to generate comments representing the actual image, and the plane/pick computation. V 0.30 with source. Author: Gauthier Groult and Jean Michel Forgeas FF316

**iff2Ex** A program to convert IFF pictures to an executable. It can handle NTSC/PAL, interlace and overscan. Version 1.0, binary only. Author: Pieter van Leuven FF331

**iff2Pcs** An interactive puzzle program that takes any IFF file containing up to 16 colors, and breaks it up into squares to make a puzzle which the user can then piece back together again. Version 1.1 includes source. Author: Ali Ozer FF316, FF122

**iff2Ps** A program to convert any IFF file to postscript for printing or viewing on a postscript compatible device Version 1.2, binary only. Author: William Mason and Sam Paolucci FF94

**iff2Src** A utility to convert IFF pictures or brushes to source (C or assembly). The bitplanes, mask, colormap and image are written to a file. You can convert multiple files at once. Supports new 2.0 Applcon windows (like IconEd). AmigaDOS 2.0 only. Version 1.0, binary only. Author: Jorrit Tyberghein FF420

**iff2Sun** A small utility for those of you who may have access to a Sun workstation. Takes an Amiga IFF file and converts it to a Sun rasterfile format. Update to FF174, with better parsing, support for HAM mode, and some bug fixes. Source only, as the program needs to be re-compiled and run from a Sun. Authors: Steve Berry, Mark Thompson FF223, FF174

**iffar** Maintains archives of Interchange File Format (IFF) FORM, AT and LIST files in a manner that complies with the IFF CAT specification. Version 1.2, with source. By Karl Lehenbauer FF162

**IFFBeep** A small utility that lets you replace the screen flash of DisplayBeep() with any IFF 8SVX sound file. Also plays sounds on disk insertion/removal. It can be run from the CLI or Workbench and includes an interactive control panel. Version 2.0, binary only. Author: Paul Wilkinson FF472

**IFFBrush2BOB** by Mike Swinger. AM14

**iffDump** Two programs for manipulating IFF files. IFFENCODER grabs an active screen and writes it to a file in IFF format. IFFDUMP decodes information in arbitrary IFF files and prints it in a human readable form. Author: Matt Dillon FF38

**iffLib** A ready-to-use library to perform various manipulations on IFF files. Includes a sample IFF viewer and a utility to save the front screen as an IFF file. This is version 16.1, an update to version 15.3 on disk 173, and includes a couple of bug fixes and some new features. Binary only. Author: Christian A. Weber FF301, FF173

**IFFM2** Demo version of an IFF support module for Interface Technologies M2Amiga Modula-2 system. Includes a version of ViewILBM (with source) that uses the IFF support routines. V1.0.0D, binary only. Author: Gregory Epley FF221

**IFFtoSUN** This program takes a standard IFF format image and translates it into a SUN rasterfile format, like the iff2Sun program also on this disk. However, this one runs on the Amiga. V1.31, includes source. Author: Richard Frost FF223

**IFFWiz** IFFWiz shows all chunks of an IFF file

together with a short description and the chunk length. It knows over 170 Chunk-IDs and Type-IDs and descends recursively into FORM-LIST-CAT- and PROP-chunks. This distribution also contains a companion file with a list of all chunk- and type-IDs known by IFFWiz. This is version 1.10. Freeware. Source in C included. Author: Stefan Zeiger FF584

**Ifs** An Iterated Function System viewer which graphically displays iterated function systems and allows the user to interactively create the affine functions that define such systems. An IFS can represent complex pictures very compactly. Simple IFSs can describe an infinite number of different and interesting fractal displays. Includes a number of displays that the author and others have discovered. Version 1.5, includes source in C. Author: Glen Fullmer FF321

**IFSgen** An Iterated Function System generator. Generates pictures of ferns trees galaxies snowflakes and many others using IFS codes (a type of fractal). Features full mouse control of the functions which define the picture. Just point the mouse at one of the parts of the shape and drag it around the screen. Fully menu driven with the ability to load and save IFF pictures and the codes that generate them. Fine tune codes and move them around the screen zoom in and out and much more. Lots of example files.

Written in AMOS and compiled so that you can run it from WorkBench. Version 2.1 shareware version with saves disabled binary only. Requires 1 Mb of memory or more. Full source code available when you register. Author: Andrew Kreibich FF554

**Info** A replacement for the DOS 'Info' command written in assembly. This program has a similar output format and takes the same parameters. It has the added advantage of including maximum filesize in bytes that will fit on a disk. Coded in optimized assembly language it is smaller than the original DOS command. Version 1.00 binary only. Author: Nic Wilson FF626

**ILBM** The ilbm reader/writer library 0.5 and examples. Also can be used for non-ILBM files. 100% compatible with original Electronic Arts code. Binary only. Author: Jeff Glatt FF463

**ILBM2C** Very useful utility for C-programmers. Reads in a standard IFF ILBM file and outputs a file to be included in your program. Source plus a sample program. By Tim Kemp FF173

**ILBMLib** A shared library (ilbm.library) to read/write IFF files, derived from the EA IFF code, along with various enhancements. Version 0.3, a partial update to version on disk 348. Author: Jeff Glatt, Dissidents Software FF393, FF348, FF237

**Image-Ed** An icon editor that allows you to draw and edit images up to 150 by 90, in up to 16 colors. Allows freehand drawing, empty or filled rectangles, ellipses, triangles, lines curves, and polygons, copy, flip about x or y axis, stretching and condensing, flood fill and complement, text with selection and loading of font style, undo, magnified and normal sized images, and two active drawing screens at once. This is version 2.4, an update to version 2.2 on disk 242. Shareware, binary only, source available from author. Author: Jonathan Potter FF412, FF242, FF211, FF204, AM4

**ImageEditor** A simple to use graphics editor which allows you to draw and save images/sprites as assembler or C source code. Includes IFF support, undo, and an iconify function. Another feature is the small memory usage so you can use multitasking even on a 512K machine. Maximum picture size is 166\*58 pixels. This is version 2.4 and includes source. Author: Robert Junghans FF355

**ImageLab** A program which performs image processing on IFF pictures. Includes standard image processing functions such as convolution, averaging, smoothing, enhancement, histograms, FFT's, etc. Also includes file conversion functions, a clipboard, and other useful functions. Version 2.4, an update to version 2.2 on disk 243, includes bug fixes, PAL support, overscanned and super-bitmap image support, improved paint operation, better area selection, HAM histograms, and FFTs. Binary only. Author: Gary Milliotti FF452, FF243

**images** Miscellaneous DPaint and digitized pictures, in IFF format. Some are rated R. FF12

**ImageTools** A set of shareware tools, submitted by the author, to do various manipulations on IFF images, including comparison of the color palettes of a pair of IFF images, filtering an IFF image in various ways, producing a color usage frequency chart for an IFF image, reducing the size of an IFF image to produce a miniature to use as an icon, converting an icon to an IFF image, and recoloring an IFF image using the palette of a second image, in a least squared error fashion. Shareware, binary only. Author: Stephen Vermeulen FF85

**IMandelVroom** A slightly modified version of Kevin Clague's mandelbrot program (on FF78) that uses his 'ring detector' to draw an approximation of the inte-

rior strange attractor contours. Binary only (with patches for original source). Author: Kevin Clague, enhancements by Howard Hull FF90

**ImLate** The White rabbit in HiRES color FF72

**Imperium** Strategic, RISK style game for up to four players. Based in the ancient times of Rome, Athens, Alexandria and Carthago. Binary only, shareware (\$10), Manx-C source available from the author. English version 1.66E and German version 1.79D. Update to version 1.50E on Disk 362. Author: Roland Richter FF474

**Imperium Romanum** Strategic, RISK style game for up to four players. Based in the ancient times of Rome, Athens, Alexandria and Carthago. Binary only, shareware (\$10), with C source available from the author. Version 1.50E. Author: Roland Richter FF362

**Imploder** Allows you to reduce the size of executable files while letting them retain full functionality. Uses efficient algorithms (both time and space) as well as taking into full consideration the complexity of the Amiga environment. Very well done. Version 3.1, binary only. Author: Peter Struijk and Albert J. Brouwer FF422

**Improving Graphics:** Improve the way your program looks no matter what screen it opens on. In C. Author: Richard Martin AC5

**Incr** Incr will easily allow the user to keep a total count of any event run from a batch file. Incr will take a number from a file, increment it by one and display the result. The new count is written back to the file. Version 1.04b, includes source. Author: George Kerber FF311

**IncrRev** A small program for a makefile or an lmkfile, to update revision numbers after each successful compile process. (Not related to but much more powerful than the increv program on disk 161 by Bryan Ford.) This is version 1.03, includes source in C. Author: Joerg Fenin / Metalworx FF536, FF161

**Indent** This is version 1.1 of GNU Indent, a C source code formatter/indenter. Especially useful for cleaning up inconsistently indented code. Includes source. Authors: Developed by the University of California, Berkeley, the University of Illinois, Urbana, and Sun Microsystems, Inc. GNU version by Jim Kingdon, Amiga port by Dan Riley. FF262

**Info** Replacement for the AmigaDOS info command. Includes source. Author: Chuck McManis FF79

**Ing** The next step in the 'boing wars'. Turns a nice screenful of little windows into a screen of lots of bouncing little windows. Cute! Author: Leo 'Bols Ewhac' Schwab FF54

**Input** A toolkit with link time and shared libraries that allow easy access to the Input device. Includes examples and test programs. Version 1.1, binary only. Author: Paris Bingham FF446

**Input** How to read keyboard input simply and quickly. Includes C source, a sample program, technical discussion, and programming modules that you can 'plug in' to your own C programs. Includes source. Author: Timm Martin. FF436

**inputdev** In combination with handler.interface.asm (supplied), lets a user trap keyboard or mouse events before they get to Intuition and if desired, install new (phony/ generated /other-devices-mouse-simulations) into the input stream. Handler.interface.asm is needed to convert the calling sequence performed by the input.task for the input stream management into something that a C program can understand. By Rob Peck 12/1/85 FF5, AM4

**inputdev.txt** Preliminary copy of the input device chapter. C program. AM4

**Inputhandler** Example of making an input handler. AM16

**InputLock** An input handler to help Amiga users who have cats other pets (or children) that mess with the Amiga as soon as it is left for a second. It installs an input handler which lets you lock the keyboard and mouse by pressing a few buttons. Very small, uses only 190 bytes of memory. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**InputView** A small tool for AmigaDOS 1.3 to record the input stream at a given time and then insert the recorded events again later instead of the user input. Version 0.24 includes source. Author: Uwe Rohm FF599

**Insta Sound:** Tapping the Amiga's sound from AmigaBASIC using the Wave command. Author: Greg Stringfellow AC3

**Install Drivers** A document describing the installation process for printer drivers. AM9

**Install Two** Possible replacement versions of the standard install program (to make a disk bootable). Includes source. Author: Bryce Nesbitt and Scott Turner FF87

**InstallBeep** This program replaces the DisplayBeep function so that an IFF 8SVX sound is played instead of the screen flashing. The PlayBeep function runs as a task in the background and runs asynchronously so the length of the sound does not slow anything down. Includes a couple of sample sound files. Version 1.1, binary only. Author: Tim Friest and Don Withey FF217



# Freely Redistributable Software

**InstallLibs** A program to copy files to the LIBS: dir of a boot disk. Can be used to create a handy installation program (hard disks especially) for programs that need disk-based libraries. Includes source. By: Dissidents Software FF348

**Instruments** A collection of 25 instruments (from Cannon to Marimba) for playing and creating music. AM23

**Intoxicated** A nice little screen hack which affects the mouse. Saying any more would spoil the fun. Includes source. Author: Thomas Albers FF416

**IntuiDOS** IntuiDOS is a program to give improved control over, and handling of, the material on all diskettes in the 'CLI-area' by employing a multi-disk, scrollable directory and using Intuition techniques to issue DOS commands. Written in assembler. Binary only. Author: Lennart Sandin FF103

**IntuiFace** An intuition interface that handles the important functions of creating, inserting, extracting and listing files for three popular archiving utilities: ARC, ZOO and LHARC. Version 1.00, binary only, shareware. Author: Matthias Zepf FF366

**IntuiSup** A shared library which implements extensions to the Amiga operating system and graphical environment. Includes several example programs that make use of the library, including building a nifty file requester from the library's user interface routines. Version 1.15, binary only. Source available from author. By: Gauthier Groult FF316

**Intuisup** A shared library with support routines for using texts menus borders gadgets requesters and more under AmigaDOS 1.3. Includes a template editor and source to library and test programs. This is version 3.0 an update to version 2.0 on disk 562. Author: Torsten Jurgeliet FF601, FF562

**Intuition demo** An Intuition demo, in full C source, including files: demomenu.c, demomenu2.c, demoreq.c, getascii.c, idemo.c, idemo.guide, idemo.make, idemoalh.nodos.c, and txwrite.c AM4

**intuition.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**IntuitionEd** Intuition based utility that creates C source code for screen, window, border and text structures. IntuitionEd can also write the code for several functions required for the opening and closing of these structures. The code can then be compiled by either Manx and Lattice. Shareware donation to the author will receive an enhanced version capable of writing gadget structures as well. Version 1.0, binary only, several samples included. Author: Niels Thorwirth FF377

**IOBoard** Full plans for a public domain hardware project which adds two parallel ports and two serial ports to an Amiga 500, 1000, or 2000, for less than \$100, with the capability to upgrade to four ports of each type at any time. Includes serial and parallel drivers with source code. Version 2.10. Author: Jeff Lavin, Dan Babcock, Paul Coward FF520

**IPC** An IPC (Inter-Process Communication) package, with the goal of creating a standard for IPC on the Amiga that is flexible enough to handle the widest possible range of applications. The protocol used addresses different problem areas than ARexx, and emphasizes different aspects of the communication process, such as fast communication and preservation of data structure. Includes source. Author: Pete Goodeve and Peter da Silva FF290

**IPDevice** Pipes for Power People. A pipe-like DOS device that passes data immediately rather than waiting until a buffer is full. It also allows multiple writers to a single channel, maintained connections, and piped connections to a Shell. Binary only. Author: Pete Goodeve FF374

**IPo2C** A utility to write a C-language definition of the current intuition pointer to a file, which can then be used in a program via SetPointer to mimic the intuition pointer. Includes source. Author: Alex Livshits FF105

**IRA** Allows easy calculation of future values of investment. Enter the beginning investment value, annual percentage rate, annual deposit amount, and number of years, to compute the future value. Version 2.0, includes source. Author: Joel Swank FF304

**IRMasteR** This is a hardware/software project to allow the Amiga to read an infrared remote control via the parallel port. Includes an ILBM of the schematic for a simple interface to the A1000 parallel port, some modifications are needed for other Amigas. The source code and executable for a reader program are included. For further functionality modifications to the source can be performed. Author: Ron Peterson FF477

**Isam** A library of routines to access relational data base systems using the Index Sequential Access Method (ISAM). This is beta version 0.9, binary only. Author: Kai Oliver Ploog FF203

**ISpell** A quick and dirty port of a UNIX version of a freely distributable screen oriented, interactive, spelling checker. I use the UNIX version daily and it is very nice. You will need expansion RAM to run this with the supplied dictionary, as it loads the entire 300K hashed dictionary into memory. A hard disk is also recommended. Author: Pace Willisson FF54

**Ist68010** Text guide to installing a 68010 in your Amiga. AM9

**Itb** This program converts an icon to an IFF picture (brush) file. It handles both single and alternate image (animated) icons. This is version 1.10 which adds a colour palette to the previous version from disk 85. Version 1.10, binary only. Author: Stephen Vermeulen. FF326

**JAR** A shareware game (Jump And Run) using 3-D graphics. Your task is to collect the blue pills lying on the floors and steps, not to fall down or off the steps, and to avoid several monsters wandering about. You can collect various sorts of weapons to use against the monsters. Version 1.0, binary only, source available from author. Author: Andreas Ehrentraut FF242

**Jask** An intuition-based replacement for the ASK command. Will bring up a requester with a message and boolean yes/no type gadgets. Version 1.0, includes source. By: John Barshinger FF177

**JayMinerSlides** These are the Amiga slides produced / used by Jay Miner (the designer of Amiga's custom graphics chips) in his talks about the Amiga. They are all hi-res (640 x 400) and are best displayed on a long-persistence color monitor FF19

**JazzBench** A drop-in multitasking replacement for WorkBench. It has more features than WorkBench and is fully multitasking (no more waiting for ZZZ clouds). It allows you to extend it, add your own menus, key shortcuts, etc. This is alpha version 0.8, binary only. Author: David Navas FF228

**JeansIcons** Miscellaneous cute icons created for AMUC's monthly newsletter disk. Submitted by Stephen Vermeulen. Author: Steve Jeans FF137

**Jed** A nicely done, intuition-based editor that is quite user-friendly. Features word-wrap, auto-indent, newcli, altbuffer, split-window, keyboard macro, help, printing, and more. V1.1. Shareware, binary only. Author: Dan Burris FF297, FF180

**Jimmy** Disney's Jimmy The Cricket in HiRes color FF72

**Jive** program which transforms its standard input to 'jive' on its standard output. Author: Unknown FF46

**JM** Job Manager is a utility which extends the AmigaDOS multi-tasking environment by providing features such as: allocation of CPU cycles in any ratio to multiple CPU bound processes default task priorities based on task name task logging system uptime reports task CPU use and CPU % reports task invocation times and more. JM has very little impact on the system itself. Requires AmigaDOS 2.04 or later. Includes 68000/20 and 68030/40 versions. Version 1.0 binary only. Author: Steve Koren FF602

**JMenu** This program allows an AmigaDOS script to display a menu, wait for the user to make a selection either with the mouse or the keyboard, and return the selection back to the script through an environment variable. It can also immediately execute any valid AmigaDOS command based upon the menu selection. The maximum size of the menu is based on the screen resolution and font size, up to a maximum of 26 selections of a maximum of 80 characters each and an optional title area of up to 4 lines. Version 1.1, binary only. Author: James Collins FF460

**Jobs** An alternate user interface to WorkBench or CLI. Version 2.1, binary only. Author: John Sawaya FF70

**join** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Journal** Journal is a program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back with another program, also supplied, which causes the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. V1.0, binary only. By Davide Cervone FF95

**JoyLib** Both a linktime version and a shared library of joystick routines featuring a technique which proves to be extremely fast on 68010 or higher processors, and still faster than most of the other routines on standard processors. Includes source for library in Assembler and the demonstration program in C. Author: Oliver Wagner FF378

**JoyMouse** A simple program that allows you to use a joystick as a mouse. Binary only. Author: Jonathan Potter FF412

**joystick** Shows how to set up the gameport device as a joystick. Reports parameters received from joystick hooked to right port. Author: Rob Peck FF5, AM4

**Jpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**JPClock** A short clock program that is just packed with features. This is version 1.2, an update to version on disk 204. Includes source. by: Jonathan Potter FF242, FF204

**JPDitUtil** A directory-utilities type program with many built-in commands, and 16 customizable gadgets. User configurable in many ways. Can be iconified to Workbench screen. This is version 1.12, an update to version 1.11 on disk 287. Binary only. Author: Jonathan Potter FF412, FF287

**Jsh** A simple command line interpreter drawing on features from the BSD C shell. Author: Jim Kent FF38

**JTime** Detailed instructions, including schematics in IFF format, for building and installing a battery backed up real-time clock. The clock goes on the joystick port (aka mouse port 2). Author: Michael Keryan FF65

**Juggette** Some cute juggler animations from Eric Schwartz. Includes Juggette Anim, Juggette, 2, and Juggler Demo 2. Author: Eric Schwartz FF413

**Juggler** Stunning animation of a robot juggler with ray traced reflective spheres. Uses HAM mode display and sound effects to boot! Version 1.2. Binary. By Eric Graham FF97, FF47, AM16

**Jumble** A quick 'brute force' program for solving for anagrams. Not very elegant, but gets the job done. Includes source. Author: Mike Groshart FF262

**JustBeeps** Simple example of using Audio and Timer devices. Plays a series of beeps whose pitches are based on a just intoned tuning system. Standalone image with source code. By: Phil Burk FF239

**K1** An editor program for the Kawai K1-II synthesizer. Includes a bankloader for single-patches and multi-patches, a single-patch editor, a multi-patch editor, and support for the effect-session and K1 controllers. Version 5.1, an update to version 4.8 on disk 481. Binary only. Author: Andreas Jung FF521, FF481

**K1\_Editor** An editor for the Kawai K1(m) synthesizer with two auxiliary programs for managing sound dumps. V 1.00, shareware, includes source. Author: Michael Balzer FF332

**Kamin** Various interpreters from the book "Programming Languages, An Interpreter-Based Approach", by Samuel N. Kamin. This distribution includes lisp, apl, scheme, sasl, clu, prolog, and smalltalk interpreters, automatically translated from Pascal to C using p2c. Includes C and Pascal source. Author: Samuel Kamin FF524

**KawaiEditor** A Kawai K4 editor (a MIDI-based music synthesizer). Version 1.0, shareware, binary only. Author: Jan Saucke FF403

**Keep** A nice little utility program with an intuition interface for BBS and network junkies who download messages in one large file and then read them off-line. Using only the mouse, you can drive through such files a message at a time, examine each at your leisure and tag those you wish to keep. V1.2, binary only, but source available with donation to author. By Tim Grantham FF149, AM25

**kermi** This is an absolutely ancient kermi, who's only saving grace is it is small and quite portable. On the AMIGA, there is no connect mode, only send and receive. You must log into the remote machine via one of its local terminals and point its kermi at the appropriate serial line connected to the AMIGA. Author: Unknown, but it is so hacked up it doesn't matter. FF4, AM3

**KeyBang** A program to entertain a very young person while simultaneously protecting your Amiga from the consequences of such entertainment. Keybang draws shapes and plays sounds in response to playing with the keyboard and mouse. The sounds are IFF 8SVX samples which you can supply or use the ones provided. This is version 1.0 shareware. Includes source. Author: Mike Stark FF631

**keybd.c** Direct keyboard reading. C program. AM4

**KeyBird** BASIC prog edits keymaps, adjust the Workbench keymaps or create your own. AM25

**KeyBiz** This little hack will make you think you have mice scurrying around in the back of your computer. Includes source. Author: Mark Schreflen FF274

**Keyboard** Functions to translate RAWKEY Intuition messages into usable keycodes. Translation into Modula-2 of C source (by Fabbian G. Dufoe, III) on disk 291. Version 1.0. Includes source. Author: Fabbian G. Dufoe III, Peter Graham Evans FF344, FF291, FF5

**Keyboard Input In Assembly:** Fourth in a series of Assembly 68000 programming tutorials. Author: Jeff Glatt. AC12

**KeyCodes** Shows keycodes for a key you press in ABASIC. AM1

**KeyFiler** A BBS message file sorter that allows sorting by keyword. Includes a textreader, Soundex matching, and limited wildcard capabilities. V1.0, Binary only. By John Motsinger FF157

**KeyLock** Freezes the keyboard and mouse until the correct password is typed. Protection against inquisitive kids, cats, and other lifeforms. Binary only. Author: Andry Rachmat FF81

**KeyMac** A keyboard macro processor that allows you to record keystrokes and then play them back. V0.1, Source in Modula-II. Author: Fridtjof Siebert FF253

**KeyMacro** A keyboard macro program, configurable via a text file, that also supports hotkey program execution. You can map up to eight functions to each key, including keys such as cursor keys, the return key, etc. Version 1.12 with a number bug fixes and enhancements, an update to version 1.8 on disk 436. Includes source in 'C' and assembly language. Author: Olaf 'Olser' Barthel FF535, FF436, FF398, FF354, FF325

**KeyMapEd** Allows you to change the KeyMaps used

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with SetMap. This is a full featured editor providing support for normal, string and dead keys. The keyboard represented is from an A3000/A2000/A500 but it is fully compatible with A1000 keyboards. This is version 1.1i, an update to version 1.02 on disk number 193, binary only. Author: Tim Friest FF388, FF193

**KeyMenu** Allows fast, easy access to pull-down menus from the keyboard without having to remember all the special amiga key sequences Version 1.01, binary only. Author: Rainer Salamon FF362

**KeyMenu** An alternative to Intuition's method of menu selection via the keyboard. Uses one key to activate the menu for the currently active window, the cursor keys to move through the menu as you choose, and the return key to select the desired menu item or escape key to abort selection. Works with AmigaDOS 2.0 mouse accelerator and has option to blank Intuition's pointer. Version 1.05, an update to version 1.03 on disk 470. Includes assembly source. Author: Ken Lowther FF528, FF470

**Kick** Another screen hack, specifically for A500/A2000 owners. I don't want to spoil any surprises but reportedly causes some machines to crash. Binary only. Author: Tony Solomon, Paul Fortin FF389

**KickBench** Instructions and programs for creating and using a combined KickStart and WorkBench disk, so only one disk is needed to reboot. Allows the system to reboot unattended after a power failure. Requires disk from developer's disk Author: Alonzo Gariepy FF36

**KickDate** Saves and retrieves the current system date stamp to the first sector of the kickstart disk. This is handy for A1000 users with autobooting hard drives, since it can save the system time across system resets and power cycles. Version 1.0, includes source. Author: Joe Porkka FF408

**kickdrum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**KickFont** For A-1000 owners, will permanently replace the topaz font on the kickstart disk with a font called 'look'. Includes a sample in the form of an IFF picture. V3.0, binary only. Also included is Benjamin Fuller's freely redistributable 'SumKick' program. By Greg Browne FF179

**KickMem** A program for A1000 hardware hackers that have done the Amazing Computing 512K upgrade. KickMem will patch your 1.2 or 1.3 kickstart disk to perform addmem during kickstart. This allows warm boot survivability of ram disk devices and eliminates addmem commands from your startup sequence. V2.0, includes source. Author: Dave Williams FF224

**Kill** Removes a task and as much of its resources as possible. Can close windows, unload process code, etc. Includes source. Author: George Musser FF79

**Kill.fastdir** Speed up directory access, it creates a small file in each directory on a disk which contains the information about the files, will also remove all the "fastdir" files from each directory. By CLIMATE's authors. AM25

**Killer** Killer is an incredible demo written by Robert Wilt. It won fourth place in the Badge Killer Demo Contest. Requires at least one meg of memory to run. Sound is also an important part of the demo so be sure to turn it up. Binary only. By Robert Wilt FF115

**KillReq** A small program which disables Intuition's AutoRequest function. In particular, this prevents AmigaDOS from putting up system requesters, which is useful if you are operating your Amiga remotely and can't use the mouse to click CANCEL. Unlike similar utilities which affect only a single CLI, KillReq disables ALL requesters. V1.0 and includes C source. By Eddy Carroll FF290

**KingTut** King Tut in an IFF picture. AM6

**Klide** This line art demo is Jerry's entry to the 1989 BADGE Killer Demo Contest, where it won 4th place. Klide uses line mode blitter code which is capable of rendering short vectors at a rate up to 15,000 lines/second. Binary only. By Jerry Kallaus FF268

**Klock** A menu-bar clock and date display. Executable AM9

**Klondike** A single player card game. Version 1.1c, binary only. Shareware. Author: Peter Wiseman FF491

**Koch Flakes** Using the preprocessor to organize your programming. Author: Paul Castonguay AC11

**Kpri** Another NEC-p6 intuition frontend to choose several print styles and add a title line on the top of the page. You can split your text files into their odd and even pages and print on both sides of the paper. Requires AmigaDOS 2.0. Version 2.0 includes source. Author: Koessi FF563

**Kryptor** A small, simple and comfortable file encoder/decoder. Version 1.0, with source. By Michael Balzer FF332

**KwikBackUp** A harddisk backup program that writes data track by track onto multiple floppy disks. Uses the archive bit, saves and restores comments and protection flags, and skips over bad spots during restore. Version 1.0, includes source in Modula-II.

Author: Fridtjof Siebert FF234

**KwikCopy** A quick but nasty disk copy program: It ignores errors. Executable program. AM8  
**L** is a replacement for the BCPL 'list' program, but with some graphics enhancements. FF105

**Label** Simple program to print labels with arbitrary text. Version 1.3, binary only, but source available from author. Author: Mike Hansen FF96

**Labeler** A label generation program for Epson compatible printers. Has both English and German versions. This is version 3.0, binary only, shareware, source available from author. Author: Siegfried Rings FF435

**LabelMaker** Allows you to create fancy, full sized, colored labels for 3.5" floppy disks. Version 1.5, includes source. Author: Stefan C. Boldorf FF548

**LabelPrint3.5** A program that allows you to easily print labels for your disks. This is version 3.5, an update to version 3.0 from FF277. Shareware, binary only (source available from author). Author: Andreas Krebs FF363, FF277, FF246, FF238, FF210

**Labels** Alphabetic and numeric ordered cross reference lists of defined system constants. Recommended for debugging purposes only, use the symbolic values in programs! Author: Olaf Seibert FF111

**LabyrinthII** A shareware role-playing text adventure game similar in operation to the Infocom text adventures. Includes source. Author: Russell Wallace FF162, AC5

**LaceWB** The LaceWB program changes between interlace and non-interlace Workbench. Previously, you were forced to reboot after changing Preferences to an interlaced screen. This program flips between the normal and extended screen heights. AM25

**LanderGame** Lander 3DX is an X-Specs 3D Lunar Lander game. Maneuver your landing craft over a three dimensional fractal lunar landscape searching for a safe place to land. Watch your fuel, altitude, and slope of the surface beneath you. Fly your craft over, around, and behind the lunar peaks. Digitized sound. Two alternate lunar scenery files included. Requires X-Specs 3D glasses. Spectacular. Binary only. Author: Richard Horne FF544

**Landmine** A game of logic. A number of landmines are buried in the playing field and you need to work out where they are avoid them and clear the rest of the field to get maximum points and advance to the next level. Written in compiled AMOS requires 1Mb of memory or more. This is version 1.0 share-ware binary only. Full source available from author.

Author: Perry Rosenboom FF554

**Landscape** A simple CAD program to aid in designing garden layouts. First the plan is laid out, placing lawns, paths, plants, etc., and the program then draws a '3D' picture of what the garden might look like in real life, from any viewpoint. Version 1.0, binary only. Author: Steve Goddard FF521

**Landscape** A fractal scenery generator written in AMOS and compiled so that it can be run from workbench. Features many user adjustable parameters such as height sea tree and snow levels beaches lighting angles and palette. 2D (contour map) and 3D rendering. Some example sets of parameters provided. Ability to render in 5 different resolutions so that fast (10 seconds) previewing of a scene is possible. Fully detailed scenes take about 30 minutes. Version 1.1 shareware (saves disabled) binary only. Requires 1 Meg. Full source code available from author. Author: Andrew Kreibich. FF554

**Larn** This disk contains a port of the popular UNIX game 'Larn', done by Edmund Burnette and the crew at the Software Distillery. This is version 12.0B. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form 'copy df0: to df1: all'. This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named 'Larn'. I have elected to keep that name, rather than using the usual 'AmigaLibDiskXX' convention for disks in my library, to avoid requiring users to rename the disk before using it. Also note that, as distributed, this disk is only about 40% full. Normally I try to fill n.y library disks to about 90-95% full, but these 'packaged' disks are special.-Fred FF63

**LaserBoing** This ray-traced animation with sound is Mike's entry to the 1989 BADGE Killer Demo Contest. This 'Amiga Boing' ball is just loaded with energy! Binary only. By: Mike van der Sommen FF271

**Lat3.03bugs** Text file lists bugs of Lattice C version 3.03. AM8

**latfpf** Shows how to access the Motorola Fast Floating Point library from Lattice C. Also demonstrates the tremendous speedup obtained Author: Larry Hildenbrand FF1

**LatticeMain** Text file tips on fixing \_main.c in Lattice. AM8

**LatticeXref** A cross reference listing of all symbols defined in the Lattice 3.10 header files. Sorted alphabetically by symbol string, includes file name and line number of all references and/or definitions. Author:

Fred Fish FF41

**Launch** Sample program showing how you can load and execute a program in the workbench environment, then return to the CLI. Includes source. By Peter da Silva FF179

**Lav** A 'title bar type' program that displays the number of tasks in the Amiga's run queue, averaged over the last minute, 5 minutes, and 15 minutes. Presumably inspired by, and named after, the BSD 'load average' program. By William Rucklidge FF54

**layers** Shows use of the layers library, used by Intuition to create windows (layers handles all overlapping drawing areas and keeps things straight, sending to the back, bringing to the front, making larger/smaller, etc.) Author: Rob Peck FF5

**layers.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**layeres.c** Layers examples. C program. AM4

**LAZi** A graphic interface for the archive utilities Lharc Arc and Zoo. LAZi will add delete extract and update single or multiple files list and test archives allow you to read extracted readmes/docs or any other ascii file save a con-figuration file that holds the locations of your work direct-ories archive utilities and its position when iconified. At least 1Mb of RAM is recommended. Version 1.1 an update to version 1.0 on disk 592. Binary only. Author: Mark W. Davis FF637, FF592

**LBM2Image** Takes an IFF picture and generates a C source module which can be compiled and linked with your program to display the picture with the intuition DrawImage function. Binary only. by: Denis Green FF190

**LCDCalc** Probably the prettiest looking four function (with memory) calculator ever written for the Amiga. Written in J-Forth. Version 1.023, binary only. Author: Mike Haas FF423

**ld** I presume this stands for 'list directory'. Lists contents of specified directory or disk, using inverse video and colors to group objects by type. Author: Dave Haynie FF10

**ld4** Another directory listing program using some graphics style output. Executable only, no source available. (Downloaded from a Denver BBS) Author: unknown FF12

**LDP** An ARExx compatible Laser Disc Player for RS-232 serial machines from Hitachi Pioneer and Sony. You can have a remote control on the screen and/or the program running to accept ARExx commands. The Hitachi drivers are untested. Works best with AmigaDOS 2.0. Version 1.31 includes source. Author: Ron M. Battle FF635

**LedClock** An extremely simple clock program, for interlaced screens only. Includes source. Author: Ali Ozer FF128

**LeftyMouse** Swaps the functions of the left and right mouse buttons so that Lefties can use the mouse with their left hands. Includes source. Author: Rob Eisenhuth FF229

**LeftyMouse** Yet another LeftyMouse, this one implemented as a commodity. Swaps the left and right mousebutton for lefties. Requires AmigaOS 2.0. This is version 1.04. Includes german version and source in C. Author: Stefan Sticht FF497

**Legends** Fantasy Characters in HiRes color FF72

**Leggo My LOGGO:** A Logo program that generates a Christmas tree with decorations. Author: Mike Morrison. AC7

**Lemacs** Microemacs version 3.6 as enhanced and supported by Daniel Lawrence. This version works and has been tested on UNIX V7, BSD 4.2, Amiga, MS-DOS, and VMS. Enhancements include overwrite mode, support for Amiga function keys, reverse video status line, numeric arguments using <ESC><number>, replace, buffer specific editing modes, word wrap mode, goto-line, buffer rename, insert-file, execute named command, describe bindings, startup files, and more. Author: Dave Conroy, enhancements by Daniel Lawrence FF22

**Lemmings** Demo version of an enchanting new game from Psygnosis. The lemmings are cute little guys you have to guide across the screen from one level to the next, over and under and around various obstacles, by using your mouse and changing each lemming's characteristics to get them to perform various useful tasks such as building bridges or digging through obstacles. Binary only. Author: Dave Jones, Gary Timmons, Scott Johnston, and Brian Johnston FF453

**Lens** This program magnifies a small area surrounding the pointer and displays it in a separate window. Version 1.0, binary only Author: Ned Konz FF70

**Less** A text file reader, descended from Unix "Less." Less has features found on no other Amiga file reader; it can use pipes, accepts multiple filenames, and has many convenient positioning commands for forward and backward movement, marking positions, etc. This version runs on all Amigas, under any screen resolution and font, and uses the full 8-bit character set. Other improvements include seaches using regular expressions, multiple file

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selection from Workbench, and resident operation. This is version 1.4Z, an update to version 1.3 on disk 149. Includes source. Author: Ray Zarleng et. al. FF511, FF149, FF92, FF74, FF34

**Lex** A program (not to be confused with the UNIX lex program which is a lexical analyzer generator) which computes various readability metrics for text files. Computes Gunning-Fog, Flesh, and Kincaid indices. Author: Jeff Sullivan FF36

**Lexical** Analyzes a text file and gives the Gunning-Fog, Flesh, and Kincaid indices which measure readability. AM26

**LGZ** A Map generator/editor for the LGZ game. Not extremely useful if you don't happen to play that game, but good source example of intuition interfacing. Version 0.1. Authors: Lars and Henrik Clausen FF161

**LhA** A very fast archiver that is compatible with MS-DOS LhArc V1.13 and LhA V2.13 as well as the Amiga LhArc. LhA is very memory efficient has been written with stability and reliability in mind has carefully optimized compression and decompression routines is multitasking reentrant and pure handles multiple volume archives (registered version only) and more. Version 1.22 an update to version 1.11 on disk 593. Shareware binary only. Author: Stefan Boberg FF637, FF593, FF577

**LhArc** An archive program like Arc and Zoo, with a heavy emphasis maximum compression for minimum archive size, using LZHUF compression. This is version 1.30, an update to version 1.21 on disk 383. Binary only. Author: Paolo Zibetti FF404, FF383, FF312, FF289

**LhArcA** An intuited and faster version of LhArc for the Amiga. Requires ARP library. Version 0.99a, binary only. By Haruyasu Yoshizaki, Amiga version by Stefan Boberg FF331

**LHCon** A program that will convert Arc and Zoo formatted archives to LhArc format. This will save precious disk space. LHCon will do single files or entire directories. It also has the capability to preserve the comment field of the file for BBS programs that require it and for the individuals who label their programs in that manner. Version 1.01. Binary only. Author: Steve Robbins and Bill Huff FF507

**LhLib** A shared reentrant Amiga runtime library featuring highly optimized assembly language versions of the LhArc data compression / decompression routines. Compresses faster and more efficiently than any other currently available implementation of the Lzhuf algorithm. Two example applications for data compression / decompression, an interface to the Amiga Oberon Compiler, and documentation how to use the library in your own programs are included. This is version 1.8, binary only. Authors: Holger P. Krekel and Olaf 'Olsen' Barthel FF436

**Lhwap** A program which will read tracks directly from your floppy disk, compress them using adaptive Huffman encoding, and output them to a file. The resulting file can be used by Lhwap to reconstruct an image of the original disk. This is version 1.20. New features include much faster compression/decompression, a 32-bit CRC, and two additional compression methods. Binary only. Author: Jonathan Forbes FF305, FF245

**LibDir** This program lists hunks in an object file. Executable program and documentation. AM8

**Library** Demo version of a shareware program that stores textual information without regard to structure or content, and allows complicated searching for specific patterns. Written in assembler for speed, binary only. Author: Bill Brownson FF134

**Library** HiRes BW picture of an traditional structure FF72

**LibraryKiller** A small utility that allows you to remove libraries that aren't used any more. Version 1.0, includes source in assembly. Author: Roger Fischlin FF383

**LIBREF** Utility for generating run-time library link library assembly files, lvo.asm, and the run-time library's vector list. Currently very Aztec in terms of what it generates. FF168 & 169

**LIBS V1.00** List libraries/ devices in ram or attempt to remove libraries. FF168 & 169

**LibTool** A utility that can quickly convert C or assembly code into an Amiga shared library. Also makes all support files including C and assembly include files, bmap files, Manx and Lattice programs, C glue stubs. Can also make a device. Binary only. Author: Jeff Glatt FF463, FF393

**License** License information on Workbench distribution. AM4

**Life** Another version of Tomas's Life game. Includes a torus option, an option to perform calculations with the processor rather than the blitter, and more. This is version 5.0 and is about 15% faster. Includes source. By: Tomas Rokicki FF316, FF306, FF131, FF31, AM9

**Life-3D** A 3D version of the classic cellular-automaton game. Shareware, author suggests \$20 donation. Version 1.2, binary only. Author: Bob Benedict FF70, AM18

**LifeCycles** Some sort of biorhythm type program. No docs included. V2.0, binary only. By: Michal Todorovic FF325

**Light** A version of the Tron light-cycle video game. AM15

**Lighthouse** A lighthouse in an IFF picture. AM6

**Lila** A shareware utility that allows you to print listings or other text files on Postscript printers, with header, page numbers, and multicolumn pages. Can print in portrait or landscape orientation. This is version 9004b, an update to version 8912a on disk 368, binary only. Author: Bertrand Gros FF414, FF368

**Line** A shell written to enhance the bare-bones CLI with features that many people find useful in the UNIX shell, including history, aliases, a directory stack, etc. Version 1.15, includes source. Author: John D. Aycock FF457

**LineDrawer** Makes a line drawing based on drawing commands stored in a text file with a demo that draws an outline map of the USA and state borders. V1.0, with source By John Olsen FF96

**Lines** A color line pattern generator, adapted from Mackie. Version 1.1, includes source. Author: Joel Swank FF304

**Lines** A line drawing demo program, reminiscent of the 'sparks' program on disk #9. Author: Paul Jatkowski FF41

**LinesDemo** A demo program which illustrates the use of proportional gadgets to scroll around in a superbmap window. Posted to usenet by Barry Whitebook @ Commodore-Amiga MemExpansion Schematics and directions for building your own home brew 1 Mb memory expansion. By: Michael Fellinger FF27

**LinkSound** Two examples of functions that you can link with your own code to produce a short musical "beep" or a sound that is similar to striking a drum. Includes source. Author: Dieter Bruns FF323

**Linstrom** Some miscellaneous small programs from the Linstrom family. Includes some basic games, some programs based on algorithms from the Computer Recreations column in Scientific American (demon, turmites, mountain), and a fish tank simulator. Includes source. Author: Lloyd Linstrom and family FF251

**LISA** A program for drawing Lissajous pictures. With full intuition support and WB2.0 design (even under 1.3). Different versions for 1.3 and 2.0. This is version 1.10 an update to v1.01 from disk 584 (WizardWorks 2). Freeware. Binary only. Author: Stefan Zeiger FF636

**List INSTR** Program to list the instruments DMCS will not load as well as list the origins for any instrument. AM23

**Listner** Program to display information about files in various types of archives, such as arc, cpio, lhar, tar, zip, and zoo. Version 1.01, an update to version 1.0 on disk 518. Includes source. Author: Kerry Cianos and Geoffrey Faivre-Malloy FF527, FF518

**ListPlot** A 2D plotting program built around the PLPLOT plotting library. Its principle advantage is that it supports a variety of graphics devices. By default, output is sent to a window on the Amiga's screen. Through command line options, the graph can be sent to any preferences printer with graphics capability, stored as an IFF file, stored in HPGL format, stored in Aegis Draw format, or stored as an Encapsulated Postscript File. A variety of line styles and colors are available. Includes source. Author: Frederick R. Bartram and Anthony M. Richardson FF391

**ListScanner** A nice little utility to display all the Exec lists. Somewhat like the Xplor utility from FF 73. Includes source in assembler. Author: Heiko Rath FF139

**ListWindow** Gives simple initialization, handling, and freeing of Macintosh-like list-windows. These are user-sizeable windows with a scrollable list of text strings, optionally sortable. The list can be scrolled with a scroll-bar, up and down arrows, arrow keys, or a SHIFT+key combination which searches for the first occurrence of the specified key. Source and a sample program included. Author: Paul Thomas Miller FF368

**Lit** Lit filters a file to stdout, showing all characters in an unambiguous format. Printable characters are printed as is, non-printable characters are printed in any of three representation formats. Version 2.0, includes source. By: Donald Irving FF73

**Little Smalltalk** It is a port of Timothy Budd's Little Smalltalk system, done by Bill Kinnersley at Washington State University. I filtered all the text files in the sources, docs, and examples directories through a program to remove extraneous CR (^M) characters from the end of each line. This also makes the files conform to standard Amiga and UNIX line delimiter conventions. I hope this didn't break anything else in the process. I have added the file sources/Makefile to help people who want to recompile the sources. It uses my cfrontend. I was able to compile and link an executable that was almost the same size as the one Bill provided (100 bytes smaller) using Manx 3.20B in 16-bit int mode, but it aborted immediately with an error

message, so beware.-Fred. FF37

**LJP** A program to print text files on an HP LaserJet printer. Supports landscape or portrait modes, use of any built-in font, automatic downloading of soft fonts, extremely fast printing, one or two logical pages on a single paper, multiple styles of page headers, adjustable page length and width, user specified pitch and point of a font, selectable margins and tab spacing, multiple copies, optional line numbers, and more. Version 1.01, binary only. Author: Khalid Aldoseri FF418

**Llmatron** A fast original rendering of the eighties 'Robotron' by Williams. It features over 100 levels sampled sound single player mode 2-player team and individual modes droid-sidekick modes 2-joystick console mode dozens of different weird enemies and an abstract sense of humor. Includes two versions a 512K version and a 1Mb version with better samples. This is version 1.0 an update to the copy on disk 541 which was also version 1.0 but was missing the 512K version file. Shareware binary only. Author: Jeff Minter FF560, FF541

**LList** A 'list' type program that displays type of file. Many types of files included, and ability to extract information from other file types for recognition. Standard Amiga Wildcards supported. Binary only. Author: Nic Wilson FF501

**LLSort** Replacement for the AmigaDOS SORT command. Pure bitset and may be made resident. Features COLSTART and FIELDS parameters and sorts in either ascending/ descending order. Also sorts with or without case sensitivity. Binary only. Author: Les Leist FF379

**Lmv** This shareware program, submitted by the author, is called 'Long Movie'. It loads up to 100 IFF graphics files and displays them in forward or reverse order, at up to 19 frames per second, to create computer animations for VCR recording. Binary only, source available from author. Author: Jim Webster FF73

**LoadImage** An IFF ILBM reader that accepts overscanned pictures, allows you to scroll around in the bitmap if the picture is larger than the current display, works on both PAL and NTSC machines, supports color cycling using interrupt code, and supports printing of image portions. Version 1.11, update to version 1.9 on FF281, includes source. Author: Olaf Barthel FF355, FF281

**LoadIt** prog to load a file into memory until a reboot. (Only the most esoteric hackers will find LoadIt useful.) AM24

**LoanCalc** Keyboard and mouse driven mortgage utility. Although similar programs exist, this one is unique in that it is designed to track 'Open' mortgages that allow any size payment to be made at any time, as well as providing a printed amortization table for fixed mortgages with monthly, semi-monthly, bi-weekly and weekly payment schedules. This is version 1.4, an update to version 1.2 on disk 366. Binary only. Author: Robert Bromley FF492, FF366

**LockDevice** A package to protect filing devices from being accidentally formatted. Can be used with any filing device and file system. Version 1.0, includes source. Author: Olaf Barthel FF371

**LockMon** Find file locks. Useful for discovering if programs properly clean up after themselves. Author: Dewi Williams FF19

**Logic** A small game that is somewhat reminiscent of 'life'. Version 2.0, includes source in assembly. Author: Thomas Jansen FF461

**Logo** A logo interpreter, with user interface like the Apple II logo. Shareware, author suggests \$5 donation. Author: Gerald Owens FF70, AM18

**LollypopLady** Famous Lady with lollypop picture which caused so many people to purchase the Amiga for its graphics. An IFF picture. AM7

**LookFor** A general 'find that file' utility which is handy for hard drives, multiple drives, and multilayered paths. Includes source. Author: Mark Schretlen FF274

**Loom** Simulation of an eight harness loom. Supports 15 colors for warp and weft threads. Scalable display. Patterns created can be printed in draft format or saved as IFF files. Version 1.00, binary only. Author: Martin C. Kees FF516

**LoranNotebook** A database for storing searching and printing loran numbers. Store Lots/Lons TDs Waypoints Depths State County Comments and Quick Comments. Search by any category and numbers can be searched with a margin of error. Printouts as text only or as a graphic. Select sites on the plot screen by lassoing them. Version 2.0 includes a lon/lat scale on the plot screen better zooming and accurate land areas via the World Database II (included) and/or user drawn. You can now show and edit land on your plots by drawing it in or by making a list of lat/lon points. A small sample database is included. Version 2.0 binary only. Author: Allen Maroney FF626

**LordOfHosts** A strategy game for two players based on a board game called "Shogun". Features include

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Last Minute Additions

flexible mouse/joystick controls, undo and redo of up to 500 preceding steps, fully intuition-ized user interface. Version 1.0, complete source code, precompiled include files and debugger files included. Author: Tim Pietzcker FF488

**Lothian** Legend of Lothian is an adventure game in the vein of the Ultima game series. It was originally featured in the Sep 91 issue of the Jumpdisk Amiga disk magazine. You play the role of a humble shepherd who is summoned to a perilous task when your country's king is bewitched. You must set out in a dangerous land to find the clues that will enable you to revive your king and save your land. Includes colorful graphics hordes of monsters to combat helpful citizens to converse with and puzzles to solve. Version 1.02 binary only. Author: David Meny FF628

**Lotto** Lotto is designed to replace your user group's old shoebox full of membership numbers and names and add some pizzazz to the process of drawing for doorprizes at club meetings. Includes source. Author: Mike Grosshart FF262

**Lotto** Small lotto number selector with C source. Author: Timm Martin FF430

**LowMem** Another fine freely redistributable product from ASDG. This one is a low memory server, which is a compact shared library which allows arbitrary processes to register their desire to be notified of impending memory shortages. This allows good citizen programs to free up memory that they may not need, so other programs can use it. Binary only. By Perry Kivolowitz FF85

**loz** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**LPatch** Patch for programs, such as 'Atom', with bad 1.0 Lstartup code, which abort during startup under 1.2 with 00038007 alert (can't open DOS library). Includes source. Author: Carolyn Scheppner FF61

**LPE** LaTeX Picture Editor is a graphical editor for producing 'pictures' for the LaTeX system, which may be imported by LaTeX. You can draw boxes, dashed boxes, lines, vectors, circles, boxes with centered text, and plain text. This is version 1.1, an update to version 1.0 on disk 243, and includes some new drawing tools, enhanced user interface features, optimized code, and some bug fixes. Binary only. Author: Joerg Geissler FF277, FF243

**ls** Version 3.1 of the popular UNIX style directory lister. This is an update to version 2.0 from disk 178, and includes some bug fixes, support for multiple wildcard pathnames, quicker sorting, a best-fit output, new output width and height options, and some other new features. Includes source. Author: Justin V. McCormick FF236, FF178

**ls Minimal** Implementation of UNIX ls. Demonstrates use of UNIX style file name pattern matching code. Author: Rick Schaeffer FF10

**LSlabel** A simple label printing utility. Very powerful as the user can/must do a lot of settings by himself. Features include variable linefeeds (in 1/216 inch steps) between 21 independent lines and freely configurable printer codes. Version 1.1.2 an update to version 1.0 on disk 478 binary only. Author: Stefan Berendes FF586, FF478

**LVD** A first defense utility against file and linkviruses. It patches the LoadSeg vector(s) and checks every executable that comes along. Recognizes 25 file or so linkviruses. Version 1.61 binary only. Author: Peter Stuer FF554

**LVR** Link Virus Remover. A program that recursively searches directories for link viruses in executable files. This is version 1.20, binary only. By: Pieter van Leuven FF331

**Lz** An lharc compatible archiver that is reported to be much faster than other available archivers and produce smaller archives. Version 1.01, shareware, binary only. Author: Jonathan Forbes FF465

**M2Amiga** Demo version of the final product M2Amiga. A fast single pass Modula-2 compiler with editor, linker, a small set of interface and standard libraries. Compiles only small demo programs by limiting codesize and imports. Further development of the ETHZ compiler on FF24. Binary only. Demos with source. By R. Degen, C. Nieder, M. Schaub, J. Straube (AMSoft) FF113

**M2Error** M2error can be used to display compile errors produced by the TDI Modula-2 compiler, like the m2error supplied by TDI. Includes source. Author: Richie Bielak FF79

**M2Icons** New Icons for the M2Amiga System. Includes a script for easy installation. Author: Robert Brandner FF549

**M2Midi** A Modula-2 interface to Bill Barton's v2.0 'midi.library'. This is version 1.03. Includes source in Modula-2. Author: Jürgen Zimmermann FF563

**M2Pascal** A simple Modula-2 to Pascal translator. You can write simple programs on your Amiga using one of the available Modula-2 compilers, and then use this translator to generate Pascal source for export to other systems with Pascal compilers.

Version 1.0, includes source in Modula-2. Author: Greg Mumm FF512

**M2Utils** Various source modules for Benchmark Modula-2. Includes ColorReq, an interface to the Dissidents color.library; IFFLib, an interface to Christian Webers Iff.library; and ARP, an interface to ARP V1.3. Author: Sascha Wildner FF439

**M4** A UNIX M4 look-alike macro processor intended as a front end for Ratfor, Pascal, and other languages that do not have a built-in macro processing capability. Pd M4 reads standard input, the processed text is written on the standard output. By Özan S. Yigit (oz) FF160

**MacFont** A conversion tool to convert Mac fonts to Amiga fonts. Binary only. Author: John O'Neill and Rico Mariani FF138

**MachII** A 'mouse accelerator' program that also includes hotkeys, the features of sun mouse, clicktofront, popcli, title bar clock with a bbs online charge accumulator, and more. This is version 2.6, an update to version 2.4c on FF163. Binary only. Author: Brian Moats FF254, FF163, FF130

**MachIII** A mouse accelerator program that also includes hotkeys, features of sun mouse, clicktofront, popcli, title bar clock with a bbs online charge accumulator, Arexx support and much more. Updates for Workbench 2.0 have been added along with many fixes and new features. This is version 3.1, an update to version 3.0 on disk 378. Binary only. Author: Brian Moats and Polyglot software FF471, FF378

**Machine** A neat new animation from Allen Hastings. Author: Allen Hastings FF109

**MachIV** A macro/hotkey program that also includes features of sun mouse clicktofront popcli clipboard viewer title bar clock and much more. Each program or window may have its own hotkeys and other settings. Requires 2.x. This is version 4.0 an update to 3.1 on disk 471. Binary only. Author: Brian Moats FF624

**Mackie** A versatile cli/macro-key initiator based on POPCLI with a unique method of screen-blanking. I won't say more, just try it! This is version 1.4. Includes fixes to work with latest WShell and the new 'never' keyword. Includes source. Author: Tomas Rokicki FF305, FF267, FF189, FF187, FF161, FF130

**macros.i** Assembler include files. AM5

**MacView** Allows viewing of standard MacPaint picture files in either Amiga low resolution (320x200) or high resolution (640x400). Executable, sample pictures, and icons (version on disk 32 did not include pictures). Author: Scott Evernden FF35, FF32

**MadBlanker** A cute screen blanker that bounces a transparent rectangle around on the screen, like a theater spotlight, with configurable options which include size and whether or not you want the rectangle to change size. Version 2.0, includes source. Author: K. Mardam-Bey FF406

**madlib** A mad lib story generator in AmigaBASIC. AM11

**Magnetic\_Pages** A software package that allows you to create and display a disk-based magazine. The magazine produced is of a similar format to that of a traditional paper magazine. You can combine text and graphics on a single page, branch to different sections by clicking on icons and play sound and music. Features a full intuition driven interface. Version 1.0, shareware, binary only. Author: Mark Gladding FF372

**Mailchk** A mail client for Dnet, which will inform you of any new mail and will give the choice of viewing, deleting, or printing a message. Version 2.01, includes source. Author: Stephane Laroche FF324

**MailMerge** A utility to perform simple mail merge using the LaTeX letter style. Simply requires a letter in .tex format and a file of addresses. Each of these is inserted in turn into the .tex file which is run through LaTeX and then through the printer driver. Version 1.0 includes C source. Author: Andrew Martin SciTech Software FF599

**mailtalk** A talking mailing list program in AmigaBASIC. AM11

**MAK** The Mandelbrot Adventure Kit is a nicely done mandelbrot generator with full source code (about 18,000 lines of C code). Includes some sample images along with the parameters used to generate them, and lots of built-in help screens. Author: Steven Dillon FF522

**Make** A simple 'make' programming utility. C program in C source code and executable. AM2

**Make** Another version of make that seems to be more complete than many other PD makes. Author: Unknown, downloaded from the Software Distillery FF45

**Make** Public domain make from mod.sources, Volume 7, number 91. It has been cleaned up, Man'ified, and some new features added, by Steve Walton. Includes source. Author: 'caret@fairlight.OZ' FF69

**make** Subset of 'UNIX' make command. Useful, but does not have many of the features of the full make, much less the newer 'augmented make' Author: Landon Dyer FF2

**make2** Another make subset command. By Marc Mengel FF2

**Makelcon** A command line utility for creating quick

icons for programs that don't have icons. (Not related to Makelcon on disk 255). Version 1.1 includes source. Author: Daniel Kocsis FF623

**Makelcon** This program will make an icon (.info file) using image data from either another icon, or an IFF picture file. The image data is drawn on the screen so you can see exactly what your icon will look like. You can also go the other way, and make IFF files from icons, which can then be loaded into a standard IFF graphics editor. Version 1.1, binary only, source available from author. Author: Paul Blum FF255

**Makelcons** Utility that uses selected icons as templates to create new icons for files that don't have them. It can also revise existing icons giving them new images tooltypes or positions. It will operate on all icons in a disk or drawer (the user decides whether it will operate recursively or not) or the user can identify specific icons for revision. Unlike the pseudo icons shown by Workbench 2.0 Makelcons creates real icons complete with tooltypes stack size and so forth. Version 1.0 shareware binary only. Author: Fabbian G. Dufosse III FF630

**Makemake** Reads C source files and constructs a vanilla makefile in the current directory. Includes source. By Tim McGrathm FF74

**Makewords** PhoneWord takes a full or partial telephone number and attempts to create a word from the various alphadigit combinations. Unjumble may be useful in solving the Sunday morning newspaper Scramble. Includes source. Author: Ron Charlton FF366

**MallocTest** A malloc/free test program that allocates and frees randomly sized pieces of memory with random lifetimes, and fills them with patterns that can be checked for corruption. Useful for beating on your vendor supplied memory management routines, or possibly as a poor man's memory test program. Includes source. Author: Neil Webber FF66

**MambaMove** A game with the goal of moving an apple eating snake inside four walls until an exit appears. Includes source. Author: Stefan G. Boldorf FF548

**Man** A program similar to the UNIX 'man' program. Displays information about a topic from manual pages. Does not include any database of topics, you have to supply your own. Version 1.2, includes source. Author: Garry Glendown FF241

**Mandala** A mandala graphic program with sound, sort of Eastern music. Binary only. Author: Unknown FF67

**MandAnim** A Mandelbrot Animation program that allows you to easily generate series of lo-res/16-color pictures. Features full mouse and/or keyboard operation, zooms, auto-save, high (+cheat) speed, iconization, preview, ease, etc. The generated pictures all remember their positions and settings so they can be reloaded. This is version 1.2, an update to version 1.1 on disk 387. Binary only. Author: Ekke Verheul. FF461, FF387

**Mandel** Another mandelbrot generator program, with bits and pieces of code from C. Heath and R.J. Mical. This is V1.3, an update to FF111. New features and improvements include an ARExx interface, coordinates in sight, more state info saved with a picture, batch files, programmable functions, and more plotting options. Includes source. Author: Olaf Seibert FF218, FF111

**Mandel** Mandelbrot set program, C code and executable. AM1

**mandel** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**MandelBlitz** Very fast Mandelbrot plotter with lots of handy functions such as color cycling, zoom, special palette control, file requestors and more. Version 1.0, binary only Author: Nico François FF387

**Mandelbrot** A fast Mandelbrot rendering program that uses some of the mathematical properties of the Mandelbrot set to greatly reduce the drawing time. Demonstrates graphics programming, assembly language, menus and IFF file I/O. Standalone image with source code. Author: Nick Didkovsky FF239

**Mandelbrot** Latest and greatest mandelbrot program. Features include the ability to save images in 'IFF' format, for reading into Deluxe Paint or other programs that use IFF. Also includes code from GraphiCraft to handle color palette and change colors at will. Many additions by RJ Mical. Version 3.00 Author: Robert French FF31, FF5, FF4

**Mandelbrot Set Explorer** This is a copy of Thomas Wilcox's Mandelbrot Set Explorer disk. To run from CLI: 1) cd dFX: (where X is drive containing disk)=2) mse. To run from Workbench: 1) Click on MSD icon. It contains extensive on-line help information, unlike other Mandelbrot programs distributed in this library. It also is capable of displaying some very pretty hi-res pictures in interlace mode. FF21

**MandelBros** Some mandelbrot images submitted for the 'mandelbrot images contest' some months ago. Only three people submitted mandelbros and these were among the most interesting. FF20

**MandelMountains** A program that renders three-

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dimensional images of blowups of the Mandelbrot set. Includes several example images. This is version 2.1, an update to version 2.0 on disk 354. The most significant enhancement for this version is that it is two to three times faster due to inclusion of a specially tuned fixed point arithmetic package. Shareware, binary only. Author: Mathias Ortmann FF383, FF354, FF295

**MandelPAUG** A version of MandFXP with complete online help, a fully implemented Mandelbrot and Julia set 'movie mode', and many improvements in the user interface. Version 2.1, binary only, source available. Author: Bruce Dawson, Steve Larocque, Jerry Hedden FF452

**MandelSquare** Yet another program to generate images from the Mandelbrot set different from most implementations in that it runs only under AmigaOS 2.x requires an '020/'030/'040 CPU and a numerical coprocessor. The calculation routines were written in '881 assembly language for maximum speed and precision. Also included is a 'movie mode' which allows generation of long camera zooms to spots in the Mandelbrot set. The resulting animations can be saved in ANIM-opt-5 format allowing to replay them using 'MandelSquare' or standard animation software. Version 1.3 includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF588

**MandelVroom** A Mandelbrot/Julia-curve generating program that features five numerical generators (integer, ffp, ieee, 020, and 020/881) in hand-crafted assembly for maximum speed, online mouse selectable help for all functions, generation of multiple pictures simultaneously, a sophisticated user interface with shaded gadgets, etc. Some of the other features include zoom, magnify, color-cycling, contouring, auto-contouring, histogram, statistics, presets, extra-halfbrite support, overscan, orbits, pan mode, and more. Requires 1Mb or more of memory. This is V2.0, an update to FF78. Source is available on FF214. A compiled binary, along with help files and example images, can be found on FF215. by: Kevin Clague FF215 & 214, FF78

**mandelbrot** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**mandrill** A gorilla in an IFF picture. AM6

**MarbleMadness.pic** A screen from Marble Madness. AM6

**MarbleSlide** The aim of this game is to build a slide on a 10 x 11 board of pieces that move around, allowing the marble to reach the goal piece. You play against time. Also includes a board editor to build custom boards. Binary only. By: Peter Handel FF283

**Marge** A simple CLI utility to add a specified number of spaces or tabs to the left side of every line in a file. Includes source. Author: Joel Swank FF177

**Marilyn** HiRES BW collection of Ms. Monroe FF72

**marimba** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Marketroid** Marketroid is Leo's entry for the Badge Killer Demo Contest. It is another devious sprite oriented demo with lots of 'in' jokes. 512K required. Includes source. By: Leo Schwab FF115

**Martian** The Bugs Bunny Martian in an IFF picture. AM6

**Mat** A comprehensive String-Search/Pattern-Match Utility for both text files and directories. A powerful command line syntax allows automatic file editing, construction of command scripts, and so on. Example Shell scripts are included. Binary only (a much enhanced version of the original on Disk #102). Author: Pete Goodeve. FF374

**Match-stuff** Heavy duty text pattern matching stuff. The pattern syntax is an extension of standard AmigaDOS filename matching. Also includes some simply matched text replacement capability. Includes source. Author: Pete Goodeve FF102

**mathffp.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**mathieeedoubas.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**mathieeesingbas.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**MathPlot** Another function plotter. With lin/log plot and a complete KS 2.0 interface. Needs Kickstart/Workbench 2.0 (V36 or higher). Needs mtool.library (supplied). Shareware source available from author. Author: Ruediger Dreier FF573

**MathsAdv** A simple game where you the young adventurer must try to escape the king's Maths Adventure. To do this you must pass through a series of rooms. In each room you are given a math problem to solve after which you can proceed to the next room if you answer correctly. The problems become more involved and more difficult in each room. Includes source. Author: Jason Lowe FF602

**Mathtrans** A very small library which replaces the mathtrans.library distributed by Commodore-Amiga,

for those who own an MC68881/82 floating point unit. Calculation speed of some functions is increased up to 15 times. Version 1.1, includes source. Author: Heiner Huckstadt FF319

**mathtrans.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Matlab** A FORTRAN package (MATrix LABoratory) developed by Argonne National Laboratories for in house use. It provides comprehensive vector and tensor operations in a package which may be programmed either through a macro language or through execution of script files. Supported functions include sin, cos, tan, arcfuctions, upper triangular, lower triangular, determinants, matrix multiplication, identity, hilbert matrices, eigenvalues, eigenvectors, matrix roots, matrix products, inversion, and more. Amiga specific features include workbench startup, polar plots, contour plots, enhanced plot buffer control, and algorithmic plot display generation. This is an update to the version on disk 267, with many bug fixes and code reorganizations. Includes source in FORTRAN. Author: Jim Locker, Cleve Moler, Mike Broida FF499, FF267

**MatLabPatch** Patches for both Matlab and Diglib on disk 499. The version of Diglib compiled for 68000 machines has some incorrectly compiled modules (compiled for 68020) and therefore causes crashes on 68000 machines. The Plot.sub module compiled for 68000 machines in the Matlab archive was linked using the incorrect Diglib and does not run on 68000 machines. This update provides correctly compiled replacements for both those files. Author: Jim Locker FF538

**Matrix** Solves systems of linear equations. Includes both PAL and NTSC versions. Version 1.00, includes source. Author: Rudiger Dreier FF376

**Maze** A couple of very nice demos for the creation and use of single-solution mazes, one of which is practically a stand-alone game. Includes source. Author: Werner Gunther FF171

**Maze** An example of a fully re-entrant maze generation program written in assembly language using Manx's assembler. Includes source. Author: Michael Sinz FF248, FF218

**MBPress** A command that will detect which mouse buttons (including middle) are currently being pressed. The result can then be used to decide a course of action in a script file. Handy for your startup-sequence. Requires 2.04. Includes source. Author: Steve Anderson FF602

**MC68010** Complete information package for upgrading an Amiga to use an MC68010 in place of the MC68000. Includes a software fix that makes this transparent to user programs that use instructions that are privileged on the 68010 By Thad Floryan FF18

**mCAD** An object-oriented drawing program, version 1.2.2. Uses a small set of graphics primitives (like 'line', 'box', and 'text') and a small set of editing functions (like 'move', 'size', and 'rotate'). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. This shareware program was submitted by the author. Many improvements over the version released on FF56. Binary only. Author: Tim Mooney FF59, FF56

**MCP** A "TRON" like cycle race game for up to four players. Version 13.76, update to version on disk 338, includes source in assembly. Author: Jorg Sixt FF481

**meadows3D** A 3D graphics program, from an AC™ article, in AmigaBASIC. AM11

**Mean18** Two Mean 18 custom golf courses by Joel Swank FF304

**MechFight** A role playing game where you explore a world, buy or find items, and fight against robots and aliens. During the game you are asked to perform certain tasks. This is version 1.0, binary only. Author: Florian Marquardt FF410

**MED** MED is a music editor that can be used to compose music for demos/games etc. It can be used as a stand-alone music program as well. The features include built-in sample editor, synthetic sound editor, MIDI support (up to 16 tracks), and options to read/write NoiseTracker modules. Included are routines that allow programmers to easily incorporate music made with MED in their programs. This is version 3.10, an update to version 3.00 on disk 476. Binary only. Author: Teijo Kinnunen FF483, FF476, FF424, FF349

**Med** Yet another Amiga text editor. This one lets you edit up to 36 files simultaneously and makes extensive use of the mouse. This is version 2.1, binary only. Author: Francois Rouaix FF60

**MED-Songs** A selection of musical pieces created with MED, the musical editor program (see disk 476 for MED 3.00). Includes MEDPlayer version 3.0. Author: Hans-H. Adam FF478

**MegaBall** This is a new version of the game Ball by the same author. It is a Breakout type game, and is very good. Complete with impressive sound. This one's addicting. Binary only. Author: Ed Mackey FF477

**MegaD** Yet another disk utility program for the

Amiga. This one allows an unlimited number of directories to be accessed simultaneously. Version 1.01, shareware, binary only. Author: John L. Jones FF440

**MegaWB** A program that makes it possible to make your WorkBench screen as large as you like. Version 1.2, Source in Modula-II. By: Fridtjof Siebert FF253

**Melt** Another display hack from the master himself... Includes source. Author: Leo Schwab FF66

**MEEmacs** Another Emacs, more oriented to word processing. In C source code and executable program, and documentation provided. AM9

**MemBoardTest** Originally designed for production testing of A1000 memory boards. Very nice intuition interface. Version 2.4, Includes source in Modula. Author: George Vokalek FF158

**Memcheck** An antivirus package designed to be used for detection and analysis of new and old viruses. It includes a very powerful bootblock detector a CLI detector and a Vectors program. The programs check for any virus in RAM and are able to kill all viruses in RAM. All libraries devices interrupts reset vectors etc are completely checked by the programs. This is version 5.0 binary only. Source code is available from the author. Author: Koen Peetermans FF600

**MemClear** Walks through the free memory lists filling free memory with a user-specified value. Display diagnostic information on CHIP & FAST RAM fragmentation. This is version 1.05 an update to the version on disk 58. Includes source. Author: Dallas J. Hodgson FF571, FF58

**MemDiag** Memory diagnostic program to identify addresses which produce memory errors, and a memory quarantine program which removes such defective addresses from the system's free memory list, until the hardware errors can be corrected. Version 1.1, includes source. by: Fabbian Dufoe FF214

**MeMeter** A small utility for monitoring the Amiga's memory usage. Unique snapshot facility allows you to store the current numbers, launch a program, see how much memory it requires, end the program, and see if it returns all the memory. Version 2.1, binary only. Author: Gaylan Wallis FF366

**MemFlick** Treats all the memory in your Amiga as if it was part of a bitplane inside a graphics display. Provides sort of a graphical picture of your memory usage. Binary. By Jim Webster FF206

**MemFrag** Displays number of memory chunks/sizes to show memory fragmentation. Chunks are displayed as 2\*\*N bytes which is a rough guide but still useful. This is an enhanced version of 'Frag's' from disk 69. Includes source. By: Mike Meyer, enhancements by Gary Duncan FF345

**MemGauge** A tool to display the current memory usage, very much like the usage bar Workbench displays in root directories. V1.4, includes source. Author: Olaf 'Olsen' Barthel FF222

**MemGuard** A program similar to MemWatch, which continually checks the low memory vector table for random trashing. Has been optimized and greatly enhanced to support the 68010, 68020, 68030, etc. microprocessors. Unlike MemWatch, MemGuard does not run as task in a dummy loop but rather as a low level interrupt routine which is capable of trapping memory trashing even before exec might know of it, and even while task switching is forbidden. Version IV, an update to version IIIa on disk 354, binary only. Author: Ralf Thanner FF436, FF354, FF325

**MemLib** A link library of routines to aid in debugging memory problems. Works with Lattice C 5.0 and possibly with earlier versions. It's features include trashing all allocated memory, trashing all freed memory, keeping track of freed memory with notification if it is written to, notification of memory freed twice or not at all, notification of overrunning or underrunning allocated memory, generation of low memory conditions for testing purposes, and identification of violations of memory use by filename and line number of the allocating routine. Includes source. Author: John Toebes and Doug Walker FF240

**MemLook** Gives a graphical view of your machine's entire memory area. Features memory gauge and controllable scrolling speed via the cursor keys. Version 2.0, an update to version 1.1B on disk 364. Includes source in assembly. Author: Thomas Jansen FF417, FF364

**MemMan** The MemoryManager can be used to test programs under different CHIP/FAST memory configurations. Version 1.10 freeware binary only. Author: Carsten RauFuß FF636

**MemMometer** A program that opens a narrow window and graphically both displays your memory usage like a gauge, and also detects changes in regions of memory over time. Detected changes are categorized and displayed using color coded bands. This is version 2.20, an update to version 2.10 on disk 350. It accommodates AmigaDOS 2.0 and the Amiga 3000 32-bit memory addresses. Includes source. Author: Howard Hull FF496,

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FF350

**MemMon** A small memory monitor. Version II, shareware, includes source in Modula II. Author: Andreas Gunser FF455

**MemoPad** A shareware intuition-based memo reminder program. Nicely done. Update to version on FF 146, version 1.2, binary only. Author: Michael Griebling FF160, FF146

**Memory Squares:** Test your memory with this AmigaBASIC game. Author: Mike Morrison AC5

**MemoryClock** A clock program that shows the amount of free fast ram, free chip ram, as well as the time and date. Includes source in assembly code. By Roger Fischlin FF188

**MemRoutines** Some plug-compatible replacements for the Lattice C functions memcpy(), memcmp(), and memset(). Unlike the Lattice functions that deal with data one-byte at a time, these versions deal with longword chunks, which can improve performance of Amigas equipped with a 68020 or 68030. Includes source in assembly. Author: Robert Broughton FF362

**MemTrace** Routines to help debug memory allocation and freeing during program development. Will complain if you try to free memory you didn't allocate and will report on memory not freed when your program finishes. Author: Jojo Wesener FF163

**MemView** Program which sets up a direct window into RAM, thus dynamically displaying the contents of memory. Author: Leo Schwab FF33

**MemWatch** Memwatch is a program intended to sit in the background and watch for random trashing of low memory by an application under development. If it detects a write to low memory, it repairs it to what used to be there, then puts up a requester indicating what damage had been done. Very useful! Version II, includes source. Author: John Toebes FF87, FF48

**Menu** A fast-access menu system configurable via a script file that allows the user run selected programs. Version 2.0, binary only. Author: Stefan Mörnhaag FF387

**menu** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**Menu2Aasm** A module for A+L AG's Modula-2 compiler 'M2Amiga V4.0' that automatically creates modules for pre-initialized menus for the use with this Modula-2 compiler. Requires A68k by Charlie Gibbs or any compatible assembler. This is version 1.0. Includes source in Modula-2. Author: Jürgen Zimmermann FF563

**MenuBuilder** A program which automates the process of building menus. It takes a simple text file and generates a C source file with all the needed structures for linking with the rest of your program. This is version 1.0, and includes source. Author: A. Preston FF65, AC7

**MenuC** A menu and gadget compiler. Takes a simple ascii file describing menus and gadgets and creates the appropriate IntuiText structures needed to actually create working menus and gadgets, in either C or assembly source. This is version 0.8, binary only. Author: Bruce Mackey FF438

**menudemo** A demo of Intuition menus called 'menudemo', in C source. C program. AM5

**menuEd** A menu editor that produces C code for menus. Executable program and documentation. AM12

**MenuEd:** A menu editor that allows you to easily create menus. The program then generates C code that you can use in your own programs. Author David Pehrson AC1

**MenuEditor** Create and edit menus, saving the result as either a binary file for further editing or as C source for inclusion in a program. Author: David Pehrson Author's suggested shareware donation: \$15 FF30

**MenuLock** A program that lets you 'lock' the menu strip of a window at the touch of a few keys making it easier to browse the menu without accidentally selecting anything. Version 1.01 includes source. Author: Jan van den Baard FF570

**Menus** Learn about Intuition menus, a John Draper Amiga Tutorial. AM2

**MenuWriter** Allows you to write a menu to the bootblock to a disk. Allows up to 30 entries of 39 characters long, with commands up to 31 characters long. The loader also allows batch files to be executed. Includes a built in virus detector. Version 3.1, binary only, source available from author. Author: Peter Stuer FF420

**MergeMem** Program which attempts to merge the MemList entries of sequentially configured RAM boards. When successful allows allocating a section of memory which spans board boundaries. Version 2. Author: Carolyn Scheppner FF95, FF56

**Metafont** Amiga port of the Metafont package, a program to create TeX fonts. Includes versions for 68000 and 68020. Disk 487 contains a copy of the Metafont font source files from the TeX distribution tape, including the Computer Modern Roman and the LaTeX fonts. This is version 2.7, binary only. Author: Donald E. Knuth, Stefan Becker (Amiga port) FF486

**Metro** In METRO, you play the role of a city planner. Using limited funds, you must construct a mass-transit subway system capable of meeting the needs of your city. Build wisely and your system will be a success, but poor planning will lead to disaster and financial ruin. Shareware, binary only, source available from author. Author: Mark A. Thomas and David P. Townsend FF426

**MFF-Demo** Demo copy of the MicroFiche Filer program from Software Visions Inc. The MicroFiche File is a full-powered database program for manipulation of text, numbers, and pictures. It uses the microfiche metaphor for dealing with your data graphically. This is a full production version except that the save option has been disabled. Includes a sample database of my disk library. Binary only. Author: Gary Samad FF89

**MFF-Update** A text import utility for MicroFiche Filer (demo version released on disk 89) and updates to some PD disk library databases. Binary only. Author: Gary Samad FF103

**MFix** A small program to insert in the startup-sequence of the commercial program, Marauder II, from Discovery Software, International. Whenever the copy process is started, the rainbow screen is covered by a bare screen until the copy is finished. The author claims a 25% decrease in copy time is achieved. Version 1.0, binary only. Author: Stephen Gunn FF172

**MForgeRev** Text of a user's view of MicroForge hard drive. AM8

**MFSrc** A copy of the Metafont font source files from the TeX distribution tape, suitable for use with the Amiga port of Metafont on disk 486. Included are the Computer Modern Roman and the LaTeX fonts. These should be sufficient to run a normal TeX installation. Author: Various FF487

**MG** Beta version of mg3, including ARexx support. This is probably the most stable beta for the next year, as many new features are going in after this. Amiga-only release. Sources compressed with lharc to fit on the disk. Update to mg2b on disk 147. Author: Mike Meyer, et al. FF352

**Mg1b** A version of Mg1b with an ARexx port and other improvements by Tomas Rokicki. Finally you can define macros and bind them to function keys in your startup file! Includes source. Author: Various; enhancements by Tomas Rokicki FF131

**MICE** My Image Code Editor. MICE generates source code from standard IFF pictures. Can generate either assembly or C source. Version 1.2 binary only. Author: Pierre-Louis Mangeard FF590

**MicroEMACS** Version 3.10 of Daniel Lawrence's variant of Dave Conroy's microemacs. This is an update to the version released on disk 119. New features include multiple marks, more function key support, a better crypt algorithm, and end-of-word command, a command line switch for setting environment variables, new hooks for macros, a command to strip trailing whitespace, internationalization features like foreign language message support, horizontal window scrolling, much faster search algorithm, Amiga intuition support, and more. Includes source and extensive online documentation. Author: Dave Conroy, MANY enhancements by Daniel Lawrence FF195, FF147, FF119, FF93, FF61, FF6, FF2

**MicroEmacs** This disk contains a significantly enhanced version of microEmacs based on the version 3.0 release posted to usenet's mod.sources newsgroup. Previous versions of microEmacs released on these disks derived from a very old version of microEmacs. The author has cleaned up lots of loose ends and restructured major parts of the code. Other people have added support for termcap, ports to other machines and operating systems, and a limited GNU emacs compatibility option. Because recipients of this disk might wish to run this new microEmacs on other machines in addition to the Amiga, I have included all sources that were available to me at the time of release. The sub directories which give alternate implementations are: Sys/Vms System modules for VAX VMS Sys/Atari System modules for Atari ST Sys/MS-DOS System modules for MS-DOS Sys/Cpm86 System modules for Cpm Sys/Amiga System modules for Amiga Sys/Ultrix System modules for Ultrix/BSD4.2 Sys/SysV System modules for UNIX System V Tty/Atari Terminal driver for Atari ST Tty/7300 Terminal driver for AT&T UNIX PC (7300) Tty/Intuition Terminal driver for Amiga using Intuition Tty/Termcap Terminal driver using termcap for UNIX Tty/Ansi Terminal driver using ANSI codes Tty/AmigaDOS Terminal driver for Amiga using just AmigaDOS Tty/Heath Terminal driver for a Heath terminal. Please send any enhancements to rtchldaveb, or to me and I will see that he gets them. -Fred FF23

**MicroGNUEmacs** MicroGNUEmacs(MG 2b) contains many additions and enhancements since the original works by Dave Conroy (credit belongs to all contributors and Beta testers. Note: Amiga specific source code files and the document files have been archived. An executable copy of the PDS archive program 'Zoo' is in the 'c' directory FF147, FF101, FF68, FF6

**MicroSPELL** MicroSPELL is a standalone spelling checker which scans text files and reports on misspelled words. It has a 1000 word 'common word' list, a 43,000 word main dictionary, and supports multiple

user dictionaries. Also interfaces quite nicely with MicroEMACS3.9, with an emacs macro to step through the source file, stopping at each suspect word and allowing the user to dispose of it in different ways. Version 1.0, includes source. Author: Daniel Lawrence FF101

**MicroTerm** A very small, very simple, almost brain-dead terminal program. Primarily useful as an example of how to talk to the console and serial devices. Version 0.1, includes source. Author: Stephen Vermeulen FF326

**MIDI** A midi library and utilities set. This looks like a very complete package, though I have no way of testing anything since I have no MIDI hardware. The MIDI utilities include a MIDI monitor to display incoming MIDI messages to the console, a routing utility, a MIDI library status utility, and more. Also includes source. Author: Bill Barton FF101

**MIDI** Make your own MIDI instrument interface with documentation and a hi-res schematic picture. AM13

**MIDI Out:** A MIDI program that you can expand upon. Written in C. Author: Br. Seraphim Winslow AC3

**MidiKeyboard** A program that makes it possible to play MIDI keyboards connected to the Amiga with a MIDI interface via mouse or computer keyboard. It is possible to control up to 16 notes independently with the computer keyboard. Requires Bill Barton's 'midi library' V2.0 or higher. This is version 1.0.

Binary only. Author: Jürgen Zimmermann FF563

**MidiLib** A disk based library that permits sharing of the serial port by MIDI applications through a MIDI message routing and processing system. The midi utilities include a midi monitor to display incoming midi messages to the console, a routing utility, a midi library status utility, and more. V2.0, an update to FF101, and includes significant speed enhancements, new utilities to play with MIDI files, and updated utilities, documentation and examples. Binary only (source for examples and bindings however). Author: Bill Barton FF227

**MIDIsoft** Transfer sound samples between the Amiga and a Roland S-220. V1.0, binary only. By Dieter Bruns FF199

**MIDIstuff** A package of 8 tools that use midi.library so that they can use MIDI at the same time and can easily be combined in a modular way. Release 2 prerelease version binary only. Author: Bill Barton and Carl Loesch FF604

**MIDITools** A group of several different utility programs for those who run a MIDI system. Binary only. Author: Jack Deckard FF159

**MidiTools** A group of several different utility programs for those who run a Midi system. Update to version on disk 159. Includes three new programs, two of which are synthesizer editors, and compatibility with AmigaDOS 2.0. Binary only. Author: Jack Deckard FF488

**MidiTools** Simple programs to play and record through the MIDI I/F. Untested (I have no MIDI hardware). By Fred Cassirer FF54

**MigaMind** A small WorkBench Master-Mind type game. Includes source. Author: Ekke Verheul FF363

**MigaSol** A game of solitaire. AM15

**MightyMouse** A very small screen blanker, mouse accelerator, mouse blanker, hot key, etc. utility. Version 1.05, binary only. Author: Bob Stouder FF527

**MillStone** Another game in ABasic by the author of Monopoly. Author: David Addison FF28

**Mind** A design for artificial intelligence (AI) based upon linguistics. The included animation shows how one node on a syntax tree flushes out the currently active concept in a mind contemplating a scene of the external world through the eye. Includes five documents describing the theory behind the animation. Author: Arthur Murray FF411

**mindwalker** Text clues to playing the game well. AM12

**MineClearer** Amiga version of the Minesweeper program under Windows 3.0. You are the captain of a ship and you have to clear the sea from mines. Shareware, version 1.0c, binary only. Author: Kopetzky Theodorich FF541

**MiniBlast** A shoot'em up game which runs just fine in a multi-tasking environment. At last you can enjoy a satisfying megablast while you are writing a boring essay. Shoot anything that moves, and if it doesn't move, shoot it anyway. V1.00, binary only. By: Anders Bjørin FF336

**minipaint** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**MinixDemo** Demo version of minix 1.5, an operating system very similar to UNIX. The full version of minix comes with source code for the kernel and most of the utilities. Binary only. Author: Andrew Tanenbaum, et al. FF525

**MinRexx** A simple ARexx interface which can be easily patched into almost any program. Includes as an example the freedraw program from disk number 1. This is version 0.4, an update to the



# Freely Redistributable Software

version on disk 188. Includes source. Author: Tomas Rokicki FF450, FF188

**MirrorWars** A new game featuring sound, title music, and two player mode. Fight your opponent via laser rays, but beware of the mirrors reflecting your shots. Binary. By Oliver Wagner FF235

**Mischief** This little program is in the long tradition of 'display hacks'. It uses the input device to perform various acts of mischief. Includes source. Author: Olaf 'Olsen' Barthel FF222

**MiscUtils** Some small sound and screen hacks. Includes source in C. Author: Jorrit Tyberghein FF302

**Missile** A nice 'missile defense' game. Written 100% in assembler (source available from author) and is very fast! Author: Glen Merriman FF50, AM16

**MissileCmd** A fast Missile Command game written in assembly. Features include using a hires interlaced screen, time based events for correct operation on any speed Amiga, multitasking friendly, and sound effects. This is version 2, an update to the version on disk 444, with bug fixes and enhancements. Binary only. Author: Max Bithead FF473, FF444

**MkBmap** Builds Amiga format bitmapped fonts from PostScript fonts. Uses the library "post.library" (disk 468) to render the characters. Best results are obtained with fully hinted type 1 fonts, such as those supplied by Adobe and other vendors. Version 1.0, includes source. Author: Adrian Aylward FF489

**Mkid** A program identifier database package that provides a logical extension to 'ctags'. The ID facility stores the locations for all uses of identifiers, preprocessor names, and numbers (in decimal, octal, or hex). Includes source. Author: Greg McGary, Amiga port by Randall Jesup FF448

**Mklb** Another example of building a shared library that evolved from 'Elib' FF87. Also included is a library, Edlib, which contains several functions not included in the Manx standard libraries. Includes source. By Edwin Hoogerbeets with C-functions from several different authors FF183

**MKSens** This program magnifies a small area surrounding the pointer and displays it in a separate window. The magnification factor is adjustable from 1 to 16. Works in all supported display modes except for HAM. Binary only. Author: Michael Sinz FF574

**Mlist** Mailing list database. AM25

**MM** Implementation of the game Mastermind. You must try to guess a color combination which the amiga sets via a random generator. There are 6 colors which can be set in any combination. With source. By Dietmar Jansen FF327

**MMB** With MMB, users of 3 button mice under WB 2.0 can use the middle mouse button as a shift key to do multiple selects. Binary only. Author: Garry Glendown FF436

**MMBSHift** A program that lets you use the middle mouse-button (MMB) (on a three-button mouse) as a SHIFT-key when selecting multiple icons on the Workbench. Only uses 166 bytes of memory. Version 1.0, includes source in assembly. Author: Preben Nielsen FF547

**MMU** Text file describing the structure of the A3000 MMU translation table and a simple assembler program to read MMU registers. Author: Laurence Vanhelsuwé FF626

**ModemPins** Text description of the serial port pinout. AM1

**Modula-2** A pre-release version of the single pass Modula-2 compiler originally developed for Macintosh at ETHZ. This code was transmitted to the Amiga and is executed on the Amiga using a special loader. FF24

**Modula-2** Trails a moving-worm graphics demo in Modula-2. AM11

**ModulaDefs** Implementation and Definition modules for the Amiga's Graphics, Intuition, and Math libraries, to be used with the Modula 2 compiler on disk 24. Includes a source example of using the modules. Binary only for the rest of the distribution. Author: Jonas Green FF418

**ModulaTools** Various useful routines for those programming in Modula on the Amiga. Update to version on FF 94, includes source. Author: Jerry Mack FF138, FF94

**MoG** A demonstration version of a commercial molecular graphics program. Stick representations of molecules may be rotated translated and scaled on screen and changes may be made to structures. 'Space filling' pictures may also be generated using quick preview shading or ray-tracing. The demonstration version allows only one of two structures to be displayed and does not allow space filling though some sample space-filled structures are included. Version 1.03D binary only. Author: SciTech Software FF599

**moire** Draws moire patterns in black and white in a borderless backdrop window. Currently only runs with Lattice C version 3.02, when compiled with 3.03 crashes the system. Author: Scott Ballantyne FF9, AM1

**Molec3D** An interactive 3D solid modelling program

for molecules. Produces a graphic, three dimensional representation of molecules, based on 3D coordinates data from geometry optimization programs, X-ray measurements, or any other source. Can handle up to 500 atoms at a time. Requires 1Mb or more of memory. Version 1.022, binary only. Author: Stefan Abrecht FF482

**MoleWt** MoleWt is a molecular weight calculator. The program accepts a chemical formula and returns the molecular weight. This is version 1.01, binary only. Author: John Kennan FF471

**Mon** A machine code monitor/debugger program for the Amiga which is re-entrant and can be made resident. This is version 1.24, binary only. Author: Timo Rossi FF310

**Money** Try to grab all the bags of money that you can. AM15

**MonIDCMP** MonIDCMP lets you monitor the IntuiMessages that pass through an IDCMP window. It prints the message class, mouse coordinates, qualifier values, and other useful information when appropriate. Great for debugging applications and for snooping around in the inner workings of other programs. Includes source. Author: Davide Cervone FF108

**MoniDie** A cute little screen hack. Be sure to turn up the sound. Binary only, source available from author. Author: David Donley FF408

**MonkeyDemo** Demo version of the LucasFilm game "The Secret of Monkey Island". Installable on a hard disk and multitasks as well. Binary only. Author: LucasFilms FF529

**Monolace** CLI program resets Preferences to several colors of monochrome & interlace screens. C source is included, works with DisplayPref, a CLI program which displays the current Preferences settings. AM24

**Monopoly** A simulation of the Parker Brother's board game MONOPOLY. Binary only, source available from author. Author: Ed Musgrove FF251, FF15

**MonopolySrc** Source to the immensely popular Monopoly game distributed in binary form on disk 251. Author: Ed Musgrove FF591

**MonProc** An enhanced version of the process packet monitoring program from FF69. Includes source. Author: Phillip Lindsay, enhancements by Davide Cervone FF79, FF69

**Moonsbase** You must guide a lunar lander to ferry cargo from an orbiting space station to bases on the surface of the moon. You get cargo and fuel for the lander by docking with the space station. The goal is to complete all the assigned cargo deliveries, and to destroy as few landers as possible in doing so. Binary only. Author: Jim Barber FF312

**Moose** Random background program, a small window opens with a moose resembling Bullwinkle saying witty phrases user definable. AM24

**More Ports For Your Amiga:** Files to accompany article. Author: Jeff Lavin AC13

**More Requestors:** Using system calls in AmigaBASIC to build requestors. Author: John Wiederhiem AC6

**MoreArt** A small selection of some additional Amiga artwork submitted to me since the last 'art' disk. Authors: Dana Dominiak and Larry Zasitok FF106

**MoreColors** A way to get more colors on the screen at once using aliasing. ABASIC program AM1

**MoreIsBetter** These two hacks make MORE more useful. One is called V; it's a small 'pure' CLI command that acts as a front end for More, causing it to create its own window. Make V and More both resident! The other is Fenestrate, which surgically alters the CON: window spec inside More enabling it to use ConMan features to create a borderless window on the topmost screen (very useful with CLImax) etc. With source. By Paul Kienitz FF224

**MoreRows** A program to make the workbench screen larger than normal. The number of additional rows and columns are set via command line arguments. By Neil Katinand Jim Mackraz FF54

**Moria** A single player dungeon simulation. The object of the game is to defeat the Balrog, which lurks in the deepest levels of the dungeon. You begin at the town level above the dungeon, where you may acquire supplies, weapons, armor, and magical devices by bartering with various shop owners, before descending into the dungeon to do battle. Amiga enhancements include pull down menus, graphics mode, pickup mode, a continuous move mode, a real time mode, a message wait time mode, as well as other modifications to improve overall playability and to take advantage of the unique features of the Amiga. V3.0, binary only, requires at least 1Mb of memory. Author: Robert Alan Koenke and others. Amiga version by Richard Henderson & others. FF194

**Morri** Morri in LoRes FF72

**MortCalc** Yet another loan calculator, but this one was written with accuracy in mind. The monthly payments times the number of months should balance the total principal plus interest, to the cent. Version 2.5, freeware, source included. Author: Michel Laliberte FF385

**Mosaic** Mosaic is a game played with a set of 81 two-by-two tiles on a 24-by-24 playing area. The objective of the game is to place your tiles such that squares of the same pattern are connected as much as possible. Version 1.0, includes source. Author:

Kirk Johnson and Loren J. Rittle FF466

**Most:** Text file reader that will display one or more files. The program will automatically format the text for you. Author: Russell Wallace AC5

**MostCurrent** Two programs that are to be used with B. Lennart Olsson's Aquarium program. The first program creates a new button called Most Current. The second program updates the index file so that the Most Current button is set for all entries that are the most current versions of their set. Version 1.0, includes source in C. Author: Peter A. Phelps FF417

**Mostra** Mostra is a shareware IFF utility featuring real-time unpacking scroll, dozens of options, smart analysis of any IFF file (FORMs, LISTs,.... also nested ILBM!), total control over display modes, simple slideshow processing, pattern matching, SHAM, an external link to show Dynamic Mode pictures, double buffering, fast decompression, color cycling, TeXdocs, startup files for easy custom configurations and complete WB support, through ToolTypes and Style icons! This is version 1.14, an update to version 1.0 on disk 330. Binary only. Author: Sebastiano Vigna FF476, FF330

**mostriper** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Mount Mandelbrot** A 3D view of a Mandelbrot set. AM12

**Mounted** A little program to run from CLI scripts to find out if a disk is mounted or not. Includes source. By Peter DaSilva FF79

**Mouse Gadgets:** Faster BASIC mouse input. Author: Michael Fahrion AC9

**mouse** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**mouse pointers** Amicus 26 contains a group of mouse pointers and the Workbench program to display them. AM26

**mouse** Shows how to set up the gameport device as a mouse so that hooking up the mouse to the right port gives access to mouse information. Author: Rob Peck FF5

**MouseAccel** Yet another mouse accelerator, this one implemented as a commodity. If you find the built-in accelerator too slow, try this one. Requires AmigaOS 2.0. This is version 1.01. Includes german version and source in C. Author: Stefan Sticht FF497

**MouseAideDEMO** A demo version of a 'Mouse' utility with all the standard functions; mouse acceleration with threshold window and screen manipulation by mouse and keyboard mouse and screen blanking SUN (auto-activation) mouse user definable 'hot key' command etc. Also has functions other mouse programs do not such as multi-icon-select with only the mouse left and right button swapping mouse port switching WorkBench to the front function freezing of the mouse and keyboard of all input etc. Written in assembly language for efficiency in size and CPU usage. Version 3.34a an update to version v2.56a on disk 567. Shareware binary only. Author: Thomas J. Czarnecki FF637, FF567

**MouseBlanker** Blanks the mouse pointer after a defined timeout or if you press any key. Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.13. Includes german version and source in C. Author: Stefan Sticht FF497

**MouseBounce** A short hack/game that makes your mouse pointer bounce around the screen. The object is to close the MouseBounce window and exit the game. Each time you click the mouse button, the pointer speeds up. With source. By Jonathan Potter FF204

**MouseClock** A clock and free memory display utility that generates a small display tied to your mouse, using two hardware sprites as the display area. Version 1.2, includes source. Author: Olaf Barthel FF279, FF69

**MouseCoords** A small assembly utility which shows you the current position of the mouse pointer. Can be 'jumped' to operate on any screen. With source in assembly. By Jonathan Potter FF287

**MouseMagic** A little gag-program. Can be stopped by closing its window. Includes source in Modula II. Author: Robert Brandner FF549

**MouseOff** Enhanced and smaller version of MouseOff released on FF73. MouseOff will cause the mouse pointer to disappear and then reappear if mouse movement is detected. Includes source. Author: Denny Jenkins, reworked by Tom Smythe FF75, FF73

**MouseReader** Shareware program, submitted by the author, to read text files and view IFF files using only the mouse. Binary only. Author: William Betz FF97

**mousetrack** A mouse tracking example in hires mode in AmigaBASIC. AM11

**MouseUtil** Intuition based program to allow you to change your mouse speed without having to go through preferences. V1.1, includes assembly source.

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Last Minute Additions

By Luciano Bertato FF184

**MouseXY** A small utility that shows the mouse coordinates and the color at that position. It can be moved from screen to screen (automatically evacuates any closing screen). Is able to show coordinates even when you are moving/resizing windows or moving Workbench icons. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF543, FF483

**mousport.c** Test mouse port. C program. AM4  
**MovePointer** Moves the pointer to any specified location on the screen, specified by X-Y coordinates. With source. By 'Cewy' FF87

**MoveSYS** Reassigns SYS:, C:, S:, L:, LIBS:, DEVS:, and FONTS: to a new disk or directory in one step. Can be used from CLI or Workbench; just click it and shift-double-click a disk or drawer icon. More flexible and robust than some other programs written for the same purpose. It's small and pure. Second release (the one on disk 224 worked from CLI only). Includes source. Author: Paul Kienitz. FF429

**MoveWindow** Move a named window to any arbitrary X-Y coordinate and possibly resize it at the same time. Includes source. Author: 'Cewy' FF87

**MovieGuys.pic** A still from an old movie in an IFF picture. AM6

**Movies** A RAM animation system with three different example animations: Kahnankas, Rocker, and F-15. Kahnankas won a close second in the Badge Killer Demo Contest. Both Kahnankas and Rocker run on a 512K Amiga and show off overscan HAM mode. Includes a animation player program (movie), animation builder programs (dilbm, pilbm), and a text/graphics display program (vilbm). Authors: Eric Graham and Ken Offer FF116

**MP** A small, useful utility for sending any MIDI data back and forth between an Amiga and a MIDI instrument. Helpful for learning about MIDI, writing/debugging MIDI software, figuring out your instrument's system-exclusive implementation, and more. Very versatile. Version 1.0, includes source. Author: Daniel J. Barrett FF478

**MRARPFfile** Extended ARP file support package that adds an orthogonal set of routines which support generalized I/O with resource tracking while using the ARP library. Includes source. Author: Mark Rinfret FF281

**MRBackUp** A hard disk backup utility that does a file by file copy to standard AmigaDOS floppy disks. Includes an intuition interface and file compression. Version 5.02a, an update to version 3.4 on disk 327. Shareware, binary only. Author: Mark Rinfret FF465, FF327, FF279, FF270, FF170, FF129, FF128

**MrED** An ANSI graphics editor that allows loading and editing of ANSI color files commonly used in BBS programs. Features block moves a line drawing mode colorize functions full ANSI sequence support and more. Version 1.20 binary only. Author: Robert V. Fahey FF632

**MRMan** A package which contains an Amiga document reading system similar to the 'man' command on UNIX systems. It offers a high degree of flexibility in the naming and placement of document files on your system. This is version 1.0 and includes source. Author: Mark Rinfret FF281

**MRPrint** A detabbing print utility that sends text files to either the printer device or the standard output. Besides expanding tabs, it will also generate page headers, line numbers, and new margins. Version 3.4, includes source. By: Mark Rinfret FF279, FF167

**ms2smus** converts Music Studio files to IFF standard 'SMUS' format. AM16

**MSCalendar** A little calendar utility and a MCLK-like MemoryClock in one program. It works fine with KickStart 2.0. Includes both English and German versions. This is version 1.10 includes source. Author: Markus Stipp FF564

**MSClock** A clock utility, which displays memory, date, time and online time (if connected to another computer via modem) in the titlebar of the WorkBench screen. This is version 1.3, includes source. Author: Martin Steppeler FF484

**MSDOS** A program to list files written in standard MS-DOS or AtariST format. The files can then be copied to RAM and rewritten to disk in Amiga-DOS format. Binary only, Shareware, Version 0.1. Author: Frank W1bbeling FF158

**Msh** An Amiga file system handler that handles MS-DOS formatted diskettes. Version '1.30' (Release 1 patch 3). You can use files on such disks in almost exactly the same way as you use files on native AmigaDOS disks. This is a fully functional, read/write version, that supports 8, 9, or 10 sector disks of 80 tracks, and should also work on 40 track drives and hard disks with 12 or 16 bit FAT of any dimension the FAT allows. Update to version '1.5' (Release 1) on disk 327. Includes source. Author: Olaf Seibert FF382, FF327

**MSizer** A program that allows you to resize a window

from any corner when holding down the left mouse button and the left Amiga key. Includes source. Author: Khaled Mardam-Bey FF285

**MT420d** Printer driver for the Mannesmann Tally MT420d. Update to the old version on disk 164. Includes a few bug-fixes. Author: Sascha Wildner FF436

**MToolLibrary** A shared library for the Amiga. Some math functions and a bit of Intuition support. This is V2.20 an update to tool.library V2.06 on disk 376. A special FPU version is included. Freeware binary only. Author: Ruediger Dreier FF573

**MTV** The Dire Straits moving company in an IFF picture. AM6

**MuchMore** Another program like 'more' 'less' 'pg' etc. This one uses its own screen to show the text using a slow scroll. Includes built-in help commands to search for text and commands to print the text. Works with PAL or NTSC in normal or overscan modes. Supports 4 color text in bold italic underlined or inverse fonts. Version 3.0 this is an update to version 2.7 from disk 378. Includes source in Oberon and assembly code. Author: Fridtjof Siebert FF560, FF378, FF253, FF234

**MuchMorePoPa** Extended version of MuchMore V2.7. Displays texts that have been packed with PowerPacker. Version 2.7, includes source in Oberon and assembly code. Author: Fridtjof Siebert FF378

**mult** Mult reads the input comparing adjacent lines. In the normal case, the second and succeeding copies of repeated lines are output, and the remainder of the lines are removed. Repeated lines must be adjacent in order to be found. Options are present to output the first of multiple lines, for comparing adjacent lines by field only, and for specifying the field separator character. Kind of the opposite of the UNIX 'uniq' program. Author: Dennis FF6

**Multi-Forth:** Implementing the ARP library from Forth. Author: Lonnie A. Watson AC6

**Multi\_Player** A music player that loads and plays a large variety of the 'tracker' type sound modules. With an intuition interface allows you to load formats like Intuitracker NoisePlayer Soundtracker FutureComposer and 7 others including power-packed modules! Includes many sample modules in several of these formats. This is version 1.5 an update to version 1.2 on disk 509. Binary only. Author: Thomas Landsprung FF600, FF509

**Multic** Formats a single column of input into multiple side by side columns. Includes source. Author: Joel Swank FF304

**MultiCalc** Yet another RPN type graphic calculator. This one generates answers with extreme precision (if 3000 digits is enough!) Features a 48-digit scrollable display, mouse driven with lots of keyboard shortcuts, and iconification during non-use. Binary only. Author: Kenneth Johnson FF166

**Multidef** A program to scan a collection of object and library files and identify multiply defined symbols. This is useful to locate subtle problems where user defined symbols override library symbols. Author: Paul Jatkowski FF49

**Multidim** Lets you rotate a 2 to 6 dimensional 'cube' on the screen using the joystick. Author: Robert French FF18

**MultiInstall** A script driven program for the installation of larger program packages. Executes CLI like script files in a simple language. Version 1.0, includes source. Author: Stefan G. Boldorf FF548

**MultiPlayer** Music player program which plays Soundtracker/Noisetacker modules MED modules and over 15 other types. It contains a simple control panel and allows creating 'programs' to play a list of modules in sequence or in random order. Works well with 1.3 and 2.0. Supports Workbench 2.0's 'AppWindow' feature - just drop modules into the MultiPlayer window to play them. Plays modules at the correct speed regardless of video mode (NTSC or PAL). AReXX port and program load/save available in registered version. Version 1.17 shareware update to version 1.11a on disk 573. Binary only. Author: Bryan Ford FF621, FF573

**Multiplot** An intuitive data plotting program featuring flexible input options arbitrary text addition automatic scaling zoom and slide with clipping at boundaries a range of output file formats and publication quality printed output. Workbench printers are supported via transparent use of the PLT: device. Postscript and HP Laserjet printers are directly supported. This is version XLNe an update to version XLNd on disk 467. Includes bug fixes and many new features. Binary only. Authors: Alan Baxter Tim Mooney Rich Champeaux Jim Miller FF572, FF467, FF373, FF333, FF292

**MultiSelect** A small program that makes it possible to select several icons on the workbench without having

to press the Shift key. V 1.0, with source in Modula-II. By Fridtjof Siebert FF253

**MultiSort:** Sorting and intertask communication in Modula-2. Author: Steve Faiwiszewski AC2

**MultiTasking** Tutorial and example program for multitasking at the Exec level Author: Leo L. Schwab FF20

**Multitasking in Fortran:** All the hard work is done here so you can multitask in Fortran. Author: Jim Locker AC6

**MunchingSq** Leo's 'Munching Squares' hack, now upgraded to take a single argument for a seed value. With source. By Leo Schwab FF87

**Muncho** A cute little program which plays a digitized sound sample when you insert or remove a disk from your drive. If you don't like the sounds, you can replace them with your own. Binary only. Author: Andrew Werth FF137

**Music** A collection of 14 Classical pieces. AM23

**Music Titrer:** Generates a titler display to accompany the audio on a VCR recording. Author Brian Zupke AC8

**MusicCraft2SMUS** Amiga Music Player AM23  
**MusicStudio2SMUS** Amiga Music Player AM23

**Mv** A Unix style mv/cp/rm program that moves, copies, or removes files. Includes interactive mode, recursive mode, and force quiet mode. Copies file permissions, dates, and comments, supports arp style wildcards, supports moves across volumes, honors the delete bit. V 1.1, with source. By Edwin Hoogerbeets FF219

**MVP-FORTH** Mountain View Press Forth, Version 1.00.03A. A shareware version of forth from Fantasia Systems. Runnable from the workbench, comes with icons and such. If you use this, please send a contribution to Fantasia Systems/Mountain View Press. FF9

**MWB** A program which will create a new 'WorkBench' screen and route by request OpenWindow calls meant for the WorkBench to these new screens. This allows you to run programs which normally open windows on the WorkBench screen to use a custom screen instead. V 1.01, with source. By Matt Dillon FF65

**MWTape** A tape handler which uses scsi.device to implement serial access to typical streaming tape devices. Includes source. Author: Markus Wandel FF445

**MxExample** Example of mutual exclusion gadget handling. Author: Davide Cervone FF31

**MxGads** Demonstrates how to make mutual exclusion of boolean gadgets work, even if they contain Gadget Text. Author: Willy Langeveld FF52

**MXMLib** An example Amiga shared library compiled with Aztec 'C' 5.0. This library contains basic support functions employed by programs such as KeyMacro or PrintHandler. In short: mxm.library is the standard MXM system support library. Version 34.14, includes source. Author: Olaf Barthel FF354

**My.lib** A binary only copy of Matt's alternate run time library. Author: Matt Dillon FF46

**MyCLI** Another CLI for the AMIGA. By Mike Schwartz FF4, AM9

**mydev.asm** Sample device driver. Assembler file. AM5

**mydev.i** Sample device example AM5

**mylib.asm** Sample library example. Assembler file. AM5

**mylib.i** Sample library example AM5  
**MyMenu** MyMenu allows you to add your own menus to the WorkBench menu strip, to run commonly used commands. MyMenu will allow you to execute both CLI and WorkBench programs, and is configured with a normal text file. Includes source. Author: Darin Johnson FF225

**MyUpdate** A disk update utility that also provides support for automatically stripping comments from C header files and for interactive verification on a per file basis. Author: JoeMueller FF49

**Nag** A shareware appointment calendar with it's own editor and a unique 'nagging' feature utilizing the Amiga's voice and audio devices. Version 1.6, binary only. By Richard Lee Stockton FF161

**NameGame** A game based on a popular type of word skill puzzle contest generally sponsored by newspapers. Binary only. Author: Mike Savin, Gladstone Productions FF256

**Names** A shareware program to create and manage mailing lists. Binary only. Author: Ernie Nelson FF122

**Nart** Another display hack from the master himself... Includes source. Author: Leo Schwab FF66

**NCode** A fast MC68000/10/20/30 conditional macro assembler for the Amiga. Supports both the old and the new Motorola syntax for operands and allows you to put standard parameters in an argument file. NCode can be used for any of the four CPU's and will check whether your code matches the specified target CPU. Version 1.2 binary only. Author: Edgar Visser FF600

**NComm** A communications program based on Comm version 1.34 by DJ James with lots of very nice enhancements. Works on any Amiga with 512K RAM or more ANSI/vt100 terminal emulation with 8 color text PAL NTSC and overscan support full support for all European languages baud rates up to 115200 baud

# Freely Redistributable Software

support for lots of file transfer protocols including XPR library protocols script language scrollbar buffer hot keys an AReXX interface macros clipboard support and more. This is version 2.0 an update to version 1.9 on disk 356. Shareware binary only. Author: DJ James Daniel Bloch Torkel Lodberg et al. FF621, FF356, FF246, FF230

**NDebt** Amusing, but saddening, this program opens a small window that displays a continuously updated tally of America's national debt, based on its historically phenomenal growth rate. Version 1.1, includes source. Author: Ron Charlton FF366

**Ndir** Library that implements the 4BSD UNIX directory access routines (opendir, closedir, readdir, etc). Includes source in C. Author: Mike Meyer FF92

**NEC 8025A** Printer driver for the NEC 8025A. AM9  
**Nemesis** This demo is Mark's entry to the Badge Killer Demo Contest. It is quite small for what it does, and won fifth place in the contest. Binary only. Author: Mark Ripley FF127, AM25

**NetHack** A screen oriented fantasy game where your goal is to grab as much treasure as you can, retrieve the Amulet of Yendor, and escape the Mazes of Menace alive. On the screen is a map of where you have been and what you have seen on the current dungeon level. As you explore more of the level, it appears on the screen in front of you. Nethack generates a new dungeon every time it is played, thus even veteran players will continue to find it entertaining and exciting. This is version 3.0, patch level 10, an update to version 2.3 on disks 189 and 190. Binary only, source available. Author: Various, see documentation. FF460, FF189 & 190

**NetHandler** The Software Distillery's network file system handler (NET:), using Matt Dillon's DNET to mount one Amiga's devices on another Amiga. It also serves as an example file system written entirely in Lattice C. Version 1.0, includes source. Author: Software Distillery FF248

**NetWork** Another program in the long tradition of 'screen hacks' for the Amiga. Won't spoil the surprise by saying what it does. V1.0, includes source in Modula-II. By Fridtjof Siebert FF234

**NeuralNet** Example of Neural Net programming converted to Jforth. Demonstrates a programming technique that many say is the wave of the future for software. This is a simple demo that shows neural propagation. Standalone image with source code. Author: Robert E. La Quey, ported by Jack Woehr FF239

**NeuralNets** A neural network example using the generalized back-propagation delta rule for learning, specifically applied to the tabula rasa Little Red Riding Hood instance. Author: Josiah C. Hoskins FF160

**Neuro** A neural network simulator which is able to learn patterns (e.g. letters) and recognize them. The program handles Hopfield and Backpropagation networks. Some examples are included. Version 1.0 binary only. Author: Berthold Ruf and Ulrich Wisser FF581

**NeuronalNets** Binary programs for playing with Neuronal Nets using Hopfield & Hamming algorithms. By Uwe Schaefer FF326

**NewDefTool** A utility to change the default tool for project icons. Has a user defined configuration file for flexibility. Can change default tool according to old default tool or filenames. Supports the use of appicon so using NewDefTool is a simple matter of dragging and dropping icons. Requires AmigaDOS 2.0. This is version 1.01 public domain includes source. Author: Kjell Cederfeldt FF634

**NewDemos** Some new demos, including replacements for the standard 'lines' and 'boxes' demos, that use only a few percent of the CPU time, so it is reasonable to have lots of them running simultaneously to demo multitasking. Binary By Steve Koren FF90

**NewEx** An assembly program to replace xicon, IconX and similar utilities. Unique in the fact that it uses a WorkBench Tool icon instead of a Project icon. This allows workbench startup of programs that could ordinarily only be started by the CLI. Version 1.1, includes assembly source. Author: Kjell Cederfeldt FF368

**NewFonts** Set of 28 new Amiga fonts. Author: Bill Fischer FF34

**NewFonts** Two new fonts; shalT18, an electronic circuit element font, and ibm5, a PC like font, different from that for Sidecar. Author: Peter Kittel FF71

**NewIFF** Some new IFF material dealing with sampled voice and music IFF files Posted to usenet by Carolyn Schepner FF44

**NewList** A very fast and powerful 'list' and 'ls' utility. It features fast algorithms custom print and date formatting 3 different types of recursion a hunt mode character filters a pager ansi ENV: support and tons of sorts and options. This is version 6.0 an update to version 5.0a on disk 513. New features include complete WB2.0 support and compatibility including full link handling and some bug fixes.

Binary only. Author: Phil Dietz FF597, FF513, FF501, FF478, FF461

**NewLook** A program that changes the system gadgets in all the screens and windows. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**NewPackets** Tutorial downloaded from BIX C-A support section, which describes some new packets and structures in 1.2 AmigaDOS. Author: Carolyn Schepner FF65

**NewPrint** A program for formatting textfiles so that they will print out as you like them to not on the perforation or on the platen. Adjustable top bottom left and right margins. Optional pagenumbers header and footer info. This is version 2.1 shareware binary only. Author: Kjell Cederfeldt FF634

**Newscaster.pic** A TV newscaster in an IFF picture. AM6  
**NewShellCX** An "open shell on hotkey" commodity (like PopCLI). Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**NewStartups** A couple of new Cstartup modules. AStartup.asm is the source to AStartup.obj, with 1.2 fixes and better quote handling. TWStartup.asm is like AStartup.asm but opens a studio window, using a user supplied window specification, when executed from workbench. Author: Commodore, posted to BIX by Carolyn Schepner FF55

**NewStat** Replacement program for the Amiga DOS STATUS command. Prints task number, priority, address of process, command line being executed, current directory, etc. Author: James Syngie FF38

**Newton** Uses the 'Newtons Method' algorithm to estimate both real and imaginary roots of a polynomial of degree 20 or less. Version 1.0, includes source. Author: Daniel Barrett FF164

**NewZAP** A third-generation multi-purpose file sector editing utility from the author of FileZAP. Displays and edits full 512-byte sectors via a 106 character wide internal font. Includes a search feature to find specific strings or hex digits forwards or backwards. User-customizable with new printing feature added. This is version 3.3 an update to version 3.18 on disk 164. Now DOS 2.0 compatible. Binary only. Author: Dallas J. Hodgson FF574, FF164, FF58

**NGC** Yet another virus check program. Checks the bootblock on all inserted floppy disks and reports nonstandard ones. Checks the jump tables of all resident libraries and devices and reports suspicious entries. Version 1, includes source in assembly. Author: Ulf Nordquist FF238

**NGTC** Release Two of a trivia game based on "Star Trek: The Next Generation" TV series. Part 1 is on this disk. Part 2 is on disk 507. You also need Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley FF506, FF405, FF404

**NGTC** Release Two of a trivia game based on "Star Trek: The Next Generation" TV series. Part 2 is on this disk. Part 1 is on disk 506. You also need Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley FF507

**NGTC** Release Two, Revision 1, of a trivia game based on "Star Trek: The Next Generation" TV series. This is a bug fix containing a new game module. You also need Release Two from disks 506 and 507, and Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley FF538

**NiftyTerm** NiftyTerm is an h19/VT102/VT52 emulator for the Amiga. It was originally designed to be used with DNet, but it has been expanded so that it may be used as a normal terminal emulator. Niftyterm was designed to be a good emulation of these terminals, as well as being fairly small and fast. Version 1.2, an update to version 1.0 on disk 403. Binary only, source available from authors. Author: Christopher Newman, Todd Williamson FF485, FF403

**NightMare** A handy little program that uses 'shock' techniques to scare people. Fun to watch while someone else is using your computer. Version 1.0, binary only, source available from author. Author: Patrick Evans FF448

**NLCalc** A calculator program that uses the NL 3D look (see NLDaemon on this disk). It will open on any screen at the touch of a function key. Version 3.1.2, includes source. Author: Davide Cervone FF497

**NLDaemon** Implements a "New Look" in Amiga programs, by using 3D-like gadgets. Converts standard intuition window gadgets into 3D versions. Version 1.4.3, includes source. Author: Davide Cervone FF497

**NoCare** This utility speeds up your windowing environment. The OpenWindow vector is patched. When someone tries to open a window in the workbench screen, the lower refreshbit in the nw\_Flags field is cleared. This way, only

NOCAREREFRESH windows will be opened, resulting in faster window movements. Windows opened in customscreens are not affected. This is version 1.5. Assembly source included. Author: Raymond Hoving FF480

**NoClick** A program to stop drives clicking in KickStart V2.0. Uses the correct method. Also included is a patch for the kickstart files for a permanent no-click for V1.3 and V2.0, both A3000 version and kickfile version for other Amigas. Binary only and ASCII patch. Author: Nic Wilson FF501

**NoClick** A program which silences the clicking of empty drives on the B2000 under AmigaDOS 1.3. It should also work on an A500. This is version 3.6, an update to version to version 3.5 on disk 243. Includes assembly source code. Author: Norman Iscove FF246, FF243, FF241, FF231

**NoDelete** This program pops up a requestor to alert you of a file deletion being attempted via DeleteFile() and allows you accept or cancel it. This also pertains to any files you attempt to delete via delete. Version 1.5a source is included. Author: Uwe Schurkamp FF477

**NoErrors** A simple to use, Gadget driven program. Its main function is to hide physical hard errors from floppy disks or hard disks, so these disks can then be used without DOS showing read/write errors. Binary only. Author: Nic Wilson FF501

**NoFragLib** A library containing 6 routines for defragmenting memory. Extracted and updated from the "tool.library" on disk 475. Includes source. Author: Jan van den Baard FF503

**NolconPos** This program clears the position info of any of your icons to allow WorkBench to pick a reasonable place for the icon again. Useful for disk and drawer icons where Snapshot rewrites the icon and the window information. Written in Modula-2, another demo for M2Amiga, showing the simplicity of programming with this Modula-2 compiler. By Markus. Schaub FF113

**NoClick** A program to stop floppy drive clicking. Features an intuition user interface that allows you to turn clicking on and off on every drive individually. Requires AmigaDOS 2.0. This is version 1.06 public domain includes source. Author: Kjell Cederfeldt FF634

**NoReq** A very short program that alternately turns on and off the DOS requesters. Useful for bulletin boards or other systems that may be unattended for long periods of time. Includes source in assembly. Author: Jonathan Potter FF412

**NorthC** A freely redistributable programming package containing all the programs required for developing in C. Based on the Sozobon Ltd C compiler, Charlie Gibb's assembler, the Software Distillery's linker, and portions from other sources. Steve has pulled everything together and added some enhancements in the process. This is version 1.2, an update to version 1.1 on disk 353. Changes include extra examples, many bug fixes, further documentation and some improvements. The environment is supplied compressed and unpacks to two disks. Partial source is included. Author: Steve Hawtin, Charlie Gibb, Sozobon Ltd, The Software Distillery and many others. FF384, FF353, FF340

**NoSmoking** Sample program showing the use of a recoverable alert while displaying a personal health message. Includes source. Author: Theo Kermandis FF155

**NotBoingAgain** Dr. Gandalf's entry for the First Annual Badge Killer Demo Contest. It is an interlaced HAM animation with nicely integrated sound effects. It is a great visual pun on the original Boing demo, but to say anymore would ruin the effect. Binary only, requires 1 Mb of memory. By Dr. Gandalf (Eric J. Fleischer, MD) FF200

**Notify** A suite of REXX programs that can be used to issue messages or run commands automatically on certain days and/or at certain times of day. Facilities are provided for the adding editing and deleting of messages and for displaying the times and texts of pending messages. A chime program is included to enable the time to be announced at regular intervals. Version 1.01. Author: Michael Tanzer FF603

**NoVirus** Another Anti-Virus utility. This one features known and new virus detection, view boot block, save and restore bootblocks, several 'Install' options and more. Written in assembly. This is version 3.31, an update to version 1.56 on disk 180, and is a limited demo of the commercial version. Binary only. Author: Nic Wilson FF421, FF180

**Nro** Another roff style text formatter. This is version 1.5, an update to the version released on disk 79. New features include generation of ANSI/ISO codes for bold, italics, and underline, more than one formatting command on a line, longer macro names, and many more formatting commands. Includes source. Author: Unknown, posted to usenet by Alan Vymetalik Many enhancements by Olaf Seibert FF197, FF79

**NTSC-PAL** Two programs that give A500/A2000

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owners with the new ECS 1Mb Agnus installed the ability to boot into either a NTSC or PAL environment. \*Very\* useful for both NTSC and PAL owners alike. Version 1.1, includes assembly source. Author: Nico François FF387, FF331

**NuHand** An animation of a hand with fingernails scraping on a desktop, including sound effects. An entry in the 1988 Badge Killer Demo Contest. Binary. By Bryan Carey Gallivan FF210

**Null** A new dos device that behaves like 'NIL:' but unlike 'NIL:', it is a real handler. It is useful in lots of situations where 'NIL:' cannot be used. V 0.0, with source. By Gunnar Nordmark FF188

**NumbersUp** A simple little game where numbers fly into the playing area from both sides of the screen. When you click the mouse button they fly to the top of the screen and stick there. The score is determined by what numbers the current number lands near and the game ends when the same numbers end up adjacent to each other. Version 1.2 includes source. Author: Jason Lowe FF592

**OakLisp** A straight port of the OAKLISP system to the Amiga. OAKLISP is a Scheme-like LISP with an object-oriented base. An R3RS Scheme environment is included in the package. Because of its size, the distribution is made on two disks, 519 and 520. Both disks are required. Source is included. Author: Kevin Lang, Barak Pearlmuter, ported by Mike Meyer FF519 & FF520

**Oberon** A freely distributable demo version of a powerful Oberon compiler. Oberon is a modern, object oriented language developed by Prof. Dr. Niklaus Wirth of ETH Zürich in Switzerland as a successor to Modula-2. This single pass compiler creates standard Amiga object files, uses a large variety of optimizations to create fast code, supports writing of reentrant programs, allows you to call code from other languages like C and Assembler, etc. The package includes the compiler, an editor, a link utility, a program to display compilation errors and some demo programs. Version 1.16, binary only. Author: Fridtjof Siebert FF380

**objfix** Makes Lattice C object file symbols visible to Wack, C program. In C source code and executable. AM1

**Observer** Working example for a Lattice LSR-program. Opens a small window and displays volume names of all inserted disks (DF0: through DF3:). Includes source in Lattice C. Author: Oliver Wagner FF378

**Obsess** Obsess-O-Matic is a real-time puzzle game like Tetrix where the object is to fit the falling pieces together to form complete horizontal rows. Features such as burning, exploding, and invisible pieces enhance game play. Other features such as a puzzle piece editor are included in the version available directly from the author. This is version 1.0, shareware, binary only. Author: Wayne Phillips FF305

**OctaMED** A music editor which was originally designed for making music for programs (demos games etc) but works well as a stand-alone music program as well. OctaMED is the 8-channel version of MED. This is version 1.00b released as a demo for the new version 2.0 which is a commercial product. Binary only. Author: Teijo Kinnunen and AmigaNuts United FF579

**OctaMEDDemo** Player program and sample songs for OctaMED, a special version of MED that can play 8 tracks at once on a standard Amiga without extra hardware. The sound quality is not as high as with 4-channel sound but is good enough for many purposes. Binary only. Author: Amiganuts United FF533

**Offender** Demo version of a fast shoot'em up game based on Williams' Defender game. Runs at 50/60 frames per second. Includes PAL and NTSC versions. Kickstart 2.04 compatible. Requires 68020 CPU and 68881 FPU or better. Version 1.01 shareware binary only. Full version and/or source code available with shareware payment. Author: Fred Bayer FF631

**Oing** Displays a window full of little bouncing balls. By Leo Schwab FF33

**Oing, Sproing, yaBoing, Zoing** are sprite-based Boing! style demos. dln C source code and executable. Documentation included. AM14

**Okidata ML-92** Printer driver for the Okidata ML-92. AM9

**OkidataDump** Okidata ML92 driver and WorkBench screen dump program. Does both alpha and graphics. Untested (I don't have the printer). Author: Raimund Gluecker FF15

**OldMan** Shades of Santa digitized in an IFF picture. AM7

**On Your Alert:** Using the system's alerts from AmigaBASIC. Author: John F. Wiederhirn AC4

**one.window** Produces a window with a console attached. Does graphics in the top half and limits the console activity to the lower half. Author: Rob Peck 12/18/85 FF5

**OneKey** A 1.3/2.0 compatible input handler for people who can only press (or cause to be pressed) one keyboard key at a time. OneKey gathers

individually pressed qualifier keys (shift, alt, control, etc) and then applies them to the next non-qualifier key that is pressed. This is version 36.11, includes source. Author: Carolyn Scheppner FF511

**OnePlane** Removes the highest number bitplane from the WorkBench screen. Normally used to take Workbench screen from 2 bitplanes to 1 bitplane. This allows CON: style devices to scroll text faster. Includes source. By Ethan Dicks FF329

**OnlyAmiga** This animation is lqbal's entry to the Badge Killer Demo Contest. It consists of tree balls being juggled by pyramids rotating on their tops. Author: lqbal Singh Hans FF126

**OnlyAmiga** This demo is Rob's entry to the 1989 BADGE Killer Demo Contest, where it won 9th place. It demonstrates sound, multitasking, HAM color, the blitter, and more. Binary only. Author: Rob Peck FF268

**OnTime** Holds up a task until a given time and then releases it to run. Version 1.0a, binary only, source available from author. Author: Patrick Evans FF448

**OOPS!** Tired of the monochrome background color of your Workbench or CLI? Then try this colorful screen hack to brighten things up! Includes source. Author: Joerg Anslik FF156

**OP55c** OP55c is a compiler for the expert system language OPS5. The compiler takes OPS5 source code as input and creates a C source code file to be compiled to create an executable. Arbitrary C code may be linked with the executable and executed as a result of firing rules. The system's strong point is its speed and as a result it sometimes has large executables and large memory requirements. At least 1 Meg. of memory is suggested. Binaries only for compiler and run-time library. Version 1.08a. Requires a C compiler. Authors: Bernie J. Lofaso, Jr, Dan Miranker and Arun Chandra. FF358

**Optical** Draw several optical illusions. ABASIC program. AM1

**optimize** An optimization example from an AC article, in AmigaBASIC. AM11

**Optimizer** A disk optimizer that works on floppy disks, hard disks, and ram disks. It is designed to provide safe optimization, moving only one block at a time. Version 1.0, freeware, binary only. Author: Tim Stotelmeyer FF519

**OptMouse** A program which allows you to use a Mouse Systems M3 serial mouse on the Amiga and instructions which allow a serial mouse to be modified to plug directly into the Amiga mouse port. Useful as an example of how to 'fake' mouse movements and may be of use in writing drivers for digitizers, light pens, and the like. Includes source. Author: Ed Hanway FF445

**Opus8** A program to convert MacIntosh 8-bit sounds to Amiga 8SVX format. Includes source in PCQ Pascal. Author: John A. Safranek FF586

**Orbit** Plots the ground trace of satellites on a map of the earth, using the orbital elements for some 130 satellites, from a list which is updated every two weeks on Compuserve. Version 1.2, binary only. Author: Timothy Middendorf FF289

**organ minor chord** Sound demonstration icon-driven part of a set on AMICUS 10. AM10

**Orthello** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**OSK** A software keyboard, which allows you to type using the mouse. Can be made to send keystrokes to any window, and can be iconified. This is version 1.2, an update to the version on disk 287. Binary only. Author: Jonathan Potter FF412, FF287

**Othello** An AmigaBASIC Program of the original game known as 'go'. AM8

**Othello** Another game in ABASIC by the author of Monopoly. Author: David Addison FF28, AM1

**Othello** Othello game, binary only. By Matthew Bellew FF90

**OverScan** Patches the Intuition library so that sizable windows with MaxHeight of 200 (400 in interlace) and screens with Height of 200 (400 in interlace) will take advantage of the PAL overscan capability of Intuition V1.2. This seems to be useful only for European users that wish to run software written for the American market, without modifying the applications, but still using the additional space. Includes source. Author: Ari Freund FF133

**OwnDevUnit** This is the initial release of the OwnDevUnit.library programmer's pack. It provides an extended locking mechanism for a device/unit pair that makes using programs like getty much easier. Getty is a program that sits on the serial port waiting for calls to come in. By using OwnDevUnit.library a program can request that getty temporarily release the serial port. Includes source. Author: Christopher Wichura FF577

**ownlib.asm** Example of making your own library in Assembly with Lattice. C program. AM4

**ownlib.c** Example of making your own library in C with Lattice. C program. AM4

**P-Compress** A gimmick-free and very easy to use

program for most compression requirements. Uses the latest LZH compression algorithms. Can handle single files whole drawers disks or selected files or types of file within drawers and disks. In PACK mode it can consolidate files into less space than whole-disk compression tools or archivers. This is version 2.1 an update to version 1.2 on disk 565. Freeware binary only. Author: Chas A. Wyndham LZH code by Barthel/Krekel FF595

**P-Reader** An all purpose reader that displays texts pictures animations and sounds which may be uncompressed or compressed with P-Compress. Texts can include embedded static or animated illustrations and sounds. This is version 5.2 an update to version 5.1 on disk 543. Freeware binary only. Author: Chas A. Wyndham FF595

**P-Writer** A text editor with special facilities for inserting text color and style changes and for preparing illustrated texts for P-Reader. Version 3.2 freeware binary only. Author: Chas A. Wyndham FF595

**P2C** P2C is a tool for translating Pascal programs into C. It handles the following Pascal dialects: HP Pascal, Turbo/UCSD Pascal, DEC VAX Pascal, Oregon Software Pascal/2, Macintosh Programmer's Workshop Pascal, Sun/Berkeley Pascal. Modula-2 syntax is also supported. Most reasonable Pascal programs are converted into fully functional C which will compile and run with no further modifications. V1.13 Includes source. By Dave Gillespie, Amiga port by G. R. (Fred) Walter FF341

**Paccer** A pacman clone with sound and a game screen editor. V1.0, shareware, binary only. Author: Dirk Hoffman FF223

**Pack** Program to strip extraneous whites pace from C programs or header files. Can be used to condense the C compiler header files to free up disk space. Author: Jeff Dickson FF20

**Pack-It** Pack-it will take all the files and directories on a disk and pack them into a single file for electronic transmission via modem. Binary only, shareware. Author: Gary Kemper FF103

**PacketSupport** A link library, for use with Lattice C, providing a few functions to handle DOS packet postage. Includes source. Author: Oliver Wagner FF346

**PacMan87** This is a nice little 'pacman like' game with some new features like fire pits, stabbing knives, electric arcs and flame throwers, that must be avoided. Has three levels of difficulty, easy, medium, and hard. Sounds can be toggled on or off. Keeps a record of the top ten scores. Shareware, binary only. Author: Steve Jacobs and Jim Boyd FF192

**PageCnt** Counts and displays the number of form feeds in a file, along with the length of the longest line. Version 1.0, includes source. Author: Joel Swank FF304

**PagePrint** Prints text files with date/time header, page breaks, and line numbers. Suggested \$10 donation. By Phil Mercurio FF40

**PageSetter** Freely distributable versions of the updated PagePrint and PageIFF programs for the PageSetter desktop publishing package. AM18

**Paint** A simple screen painting program, written in web. Requires web preprocessing program to rebuild from source. Includes source in web. Author: Greg Lee FF128

**PaintBox** Simple paint program. ABASIC program. AM1

**PaintCan.pic** The PaintCan in an IFF picture. AM6

**PaintJet** An 'official' Hewlett Packard Paintjet printer driver received directly from HP sources. Author: Unknown FF129

**Palette** A tool which allows you to change another program's custom screen colors. This is version 1.1. New features include checks for WorkBench startups, checks for HAM, Half Brite, or more than five bitplanes, and more graceful exits. Includes source in assembly. Author: Randy Jouett, CJ Fruge, Carolyn Scheppner, Charlie Heath FF330, FF55, FF1

**PaletteReq** An easy way to set the palette of any screen from your program. Includes source. by: JonathanPotter FF242

**PalTest** Example code of how to determine dynamically whether or not you are running on a PAL machine. Includes source. Author: Christof Bonnkirch FF87

**Panasonic KX-P10xx** Printer driver for the Panasonic KX-P10xx family of printers. AM9

**Panl** A universal MIDI patch panel that allows MIDI parameter info to be sent from the Amiga to any MIDI device that can accept param info Version 1.2, binary only. By David Weinbach FF82

**Paragon** A two player game where the object is to build a given crown (a pattern of 5 stones) on the playboard. Includes source in AMOS. Author: Volker Stepprath FF600

**parallel** Demonstrates access to the parallel port. Author: Tom Pohorsky FF5

**parallel** Text, parallel port spec. AM5

**Paranoids** An asylum escape game. Paranoids is a

# Freely Redistributable Software

- traditional board game played by drawing cards, rolling dice, and moving pieces around the board. Each player has six pieces, four patients and two doctors. The object of the game is to get all of your patients out of the asylum. This is version 1.0, binary only. Author: Richard Anderson and Gary Teachout FF250
- paratest.c** tests parallel port commands. C program. AM4
- ParM** Parameterable Menu. ParM allows you to build menus to run whatever program you have on a disk. ParM can run programs either in WorkBench or CLI mode. This is an alternative to MyMenu which can run only when workbench is loaded. ParM can have it's own little window, can attach menus to the CLI window you are running it from, or to the WB menus, just like MyMenu. This is version 3.00, an update to version 2.5r on disk 419. Includes source in C. Author: Sylvain Rougier, Pierre Carrette FF540, FF419, FF375
- ParNet** The Software Distillery's NET: file system using Matt Dillon's parallel port code. Using a special DB25 cable, two Amigas can be connected via the parallel port. One Amiga can mount the other as a device and read/write the files as if they were local. Version 2.4, binary only. Author: Doug Walker, John Toebes, Matt Dillon FF400
- ParOut** Shows how to allocate and communicate directly with the parallel port hardware from an assembly language program. With source. By Jeff Glatt (original code by Phillip Lindsay) FF237, FF73
- Parse** A recursive descent expression parser that parses expressions, computes the expression value, and prints it. Includes support for some built in transcendental functions. Includes source in C. Author: John Olsen FF92
- Parse** A simple keyword command line parsing routine. Supports mixed case and unambiguous abbreviations in the command line. The parse routine can be used to add keyword control to any program in an easy manner. Version 1.2 includes C source. Author: Andrew Martin SciTech Software FF598
- Parsnag** A program to aid in performing color separations on Epson JX-80 printers. Includes source. By John Hodgson FF165
- ParTask** Example program for finding the parent task of your current task. Includes source. Author: Andry Rachmat FF79
- PascalToC** A Pascal to C translator program which is supposed to correctly handle function, procedure, and most type declarations. However, this quick and dirty port didn't fare too well on even a simple little Pascal fragment from Software Tools in Pascal. I don't know if the problem is machine dependencies in the code or bugs. Looks like it could be useful with a little more work than I have time to put into it now. Includes source. Author: James Mullens, enhancements by Dan Kegel FF65
- Password** A program which enhances your computers security by making it complicated enough that users without your password will get discouraged trying to boot and use your system. This should keep out most casual or nontechnical users. Update to version on FF#243. Version 1.42p, binary only. Author: George Kerber FF365, FF243
- Paste** A version of the UNIX paste utility. Paste concatenates corresponding lines of the specified files into a single output line (horizontal or parallel merging) or concatenates them into alternate lines (vertical or serial merging). Includes source. Author: David Ihnat FF136
- Patch** A port of the very useful UNIX utility which applies context diffs to text files to automatically update them. This is a port of version 2.0.1.6 (patch level 12), which Eric has dubbed Amiga version 1.0. Includes source. Author: Larry Wall, Amiga port by Eric Green FF296, FF129, FF13
- PatchCompiler** A program to generate patches using a Pascal like language to describe what needs to be patched. This is version 1.0. Includes source in assembly. Author: Roger Fischlin FF437
- PatchLoadSeg** This program patches the loadseg routine to automatically detect link viruses when a program is loaded. Displays an alert when a virus is detected in a program being loaded for execution. Version 1.20, includes source. Author: Pieter van Leuven FF331
- PatchNTSC** OS fix to allow the growing number of PAL display programs to be run on NTSC machines. Will patch the Intuition OpenScreen() function to assure screens with PAL height to be opened in interlace mode. Includes source in assembler. Author: Oliver Wagner FF346
- PatchReq** A patch for system requesters and arp file requester. Replace arp file requester with the great req.library file requester. Patches AutoRequest() for requesters to appear under the mouse and more. Version 1.4. Includes source in C. Authors: Sylvain Rougier, Pierre Carrette FF540
- PatEdit** A pattern editor for creating patterns to input to the Amiga SetAtPt macro call. This call sets the area fill pattern for the area filling graphics calls such as RectFill, AreaDraw, etc. Includes source. Author: Don Hyde FF130
- Path** An interesting concept in path-searching. This program contains a path-handler that allows you to selectively control or assign your system's search path using script files. Includes source. Author: Rico Mariani FF177
- PathMaster** A file requester with lots of features. Can be easily configured by the programmer to suit a variety of applications. Includes source. Author: Justin McCormick FF245
- Pattern** A shared library which matches AmigaDOS patterns with strings and converts strings into uppercase or lowercase including umlauts. The library works with Kickstart V1.2 and higher and the pattern matching routines are compatible with ARP and AmigaDOS 2.0 pattern matching. An ARexx function library is also available. One of the external programs included in this package is grep version 0.4 a small grep command that finds a string or an AmigaDOS pattern in one or several files or in stdin (default). Version 5.0 freeware binary only. Author: Angela Schmidt FF625
- PatternLib** A sharable library which implements AmigaDOS pattern matching, and a program that compiles 'fd' files into library headers and interface stubs. Includes source in Draco. Author: Chris Gray (?), posted on BIX by Jeff White FF254
- Pauky** Demo version of an English to German (and vice versa) word translation trainer. Version 1.2, binary only. Author: David Wetzel FF498
- PaulCopy** A single drive disk copier for Amigas with 1MB of RAM. Copies the source disk completely into memory in one go. Will also work with 512K Amigas, yet will require multiple disk swaps. Version 1L includes assembly source. Author: Paul Hayter FF537
- PBar** An editor to change the pattern in the windows drag bar and save the pattern as an executable file with an icon looking like the pattern. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396
- PBlanker** An enhanced Workbench 2.0 commodity, replacing "Blanker". Can blank screen and mouse pointer separately. This is version 37.04. Needs Kickstart 37.xx. Binary only. Author: Bernd Preusing FF536
- PBlanker** An ultra tiny Screen-Blanker/Mouse-Blanker/Mouse-Accelerator thingy. Is about 700 bytes and doesn't have to be RUN. Version 1.3, includes assembly source. Author: Paul Hayter FF537
- PCalender** A little calender program which lets you look through years and months using the arrowkeys. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396
- PCBTool** An early version of a shareware PC Board layout program. Lots of options including variable size pads and traces, grids, grid snap, layers, zoom, selectable centering, text and more. This version does not support printer/plotter dumps or libraries. Version 2.6, binary only. Author: George Vokalek FF158
- PCExecute** A little program that allows you to execute programs on a bridge-board without opening a PC window. Includes source. Author: Peter Vorwerk FF610
- PCKeyMap** This program uses an InputEventHandler to manipulate the backslash (\) and some other useful keys in order to better emulate an XT/AT keyboard on the German Amiga keyboard (which is missing the backslash and some other keys). This is version 1.0. Includes source. Author: Peter Vorwerk FF509
- PClock** A little clock program which shows the time and the available CHIP and FAST memory. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396
- PCMenu** Control your pulldown menus from the keyboard using the arrow keys or 'first letter matching'. Multiple selections made with Shift-Return. Remembers and returns to previous menu items. Completely configurable. This is version 1.5. Binary only. Author: Brian Moats FF624
- PCompress** A gimmick free and very easy to use program for most compression requirements. Uses the latest LZH compression algorithms and aims at the optimum mix of efficiency/speed/memory usage. Can handle single files whole drawers disks or selected files or types of file within drawers and disks. In PACK mode it can consolidate files into less space than whole-disk compression tools or archivers. Version 5.1 binary only. Author: Chas A. Wyndham LZW code by Barthel/Krekel FF565
- Pcopy** An intuition based disk copier for AmigaDOS disks featuring high speed diskcopy with write verify, data recovery from damaged tracks, full multitasking compatibility, and a user friendly interface. This is version 2.12, an update to version 2.11 on disk 383, with new data recovery routines and some bug fixes. Binary only. Author: Dirk Reisig FF402, FF383, FF243, FF151
- PcPatch** Patches for PCCopy and PCFormat from the EXTRAS disk, to allow reading, writing, and formatting of any kind of MS-Dos style disks, including 720K 3.5" diskettes. Binary only. Author: Werner Guenther FF218, FF163
- PCQ** An update to PCQ from disk 503. This is only a partial distribution and includes just the compiler main pass, the documentation, and a ReadMe file. You need the distribution from disk 503 to use this material. This update is version 1.2b. Author: Patrick Quaid FF511, FF503, FF339, FF183
- PCStatus** Bridgeboard user's program that displays the status of the CAPS, NUM, INS, and SCROLL key in a separate window on every PC screen. Also, both the Amiga and the PC will use the same status of the Caps Lock key. Version 2.0, shareware, binary only. Author: Alexander Hagen FF411
- PcView** Provides the PC community with the opportunity to display IFF pictures to the best of EGA's ability. Displays Amiga pics, IBM-PC Deluxe Paint Pics, Apple II-GS Deluxe Paint Pics, and others in the IFF standard format. Includes source. Author: John Hodgson FF164
- PDC** Publicly Distributable C (PDC) is a complete C compilation system including a compiler, assembler, linker, librarian, and numerous utilities, documentation files, libraries, and header files. PDC supports many ANSI features including all ANSI preprocessor directives, function prototyping, structure passing and assignment. In addition it supports Lattice C compatible libcall pragmas, precompiled header files, builtin functions, and stack checking code. This is version 3.33 and includes full source. Author: Lionel Hummel, Paul Petersen, et al. FF351
- Pdc** An optimizing C compiler for the 68000 processor. Major porting work was done by Jeff Lydiatt to get it to the point where it would compile and execute simple programs on the Amiga. This version now generates metacomco-compatible assembler source code, which can be assembled by the assembler also provided on this disk and then linked by the freely redistributable linker 'blink' (also provided). Includes all compiler source and some library and startup source code. Requires amiga.lib from developers kit to generate complete running example executables. Author: Matthew Brandt; major porting work by Jeff Lydiatt. FF110
- PDScreenDump** C program which dumps Rastport of highest screen to printer. AM8
- pdterm** A simple terminal emulator that does ANSI or DEC VT-100 emulation in 80 cols by 25 lines. Version 1.21. Author: Michael McInerney FF14
- PearlFont** A font similar to Topaz, but with smoothed out edges and more rounded characters. Author: Michael Portuesi FF61
- Pemacs** Microemacs as enhanced by Andy Poggio. New features include use of <ALT> keys as Meta keys, default buffers on buffer switch, mouse support, higher priority to improve interactive response, creation of backup files, paragraph fill, word wrap, query replace, and support for function keys. Author: Dave Conroy, enhancements by Daniel Lawrence FF22
- pena** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13
- PennyWise** An easy to use, flexible cashbook program using an Amiga Intuition interface. It can be used to keep track of the financial transactions of a cheque, bank, business, or similar account. Shareware, binary only. Author: Pierre A du Parte FF273
- PenPalFont** A font which will make your six year old feel right at home in a CLI window. Cute. Author: Burton Ogden FF73
- people talking** Sound demonstration icon-driven part of a set on AMICUS 10 AM10
- PeopleCable** IFF picture resembling an old BYTE cover. AM7
- Pere-et-Fils** Example of creating and using reentrant processes. Includes source. Author: Jean-Michel Forgeas FF105
- PerfectSound** Perfect Sound demo, with a sound editor and sample sound files. Looks very nice. Author: Anthony Wood FF50
- Perl** Practical Extraction and Report Language, an interpreted language optimized for scanning arbitrary text files, extracting information from those text files, and printing reports based on that information. Author: Larry Wall FF161
- PersMait** Demo version of shareware personal/personnel file manager. Includes list processing, capability to run mailing labels, mail merge output feature, and more. Demo version is binary only and limited to input mode. Suggested donation of \$24 for the 'real' version. Author: Breen and Associates FF67
- PetCLI** An AmigaBASIC program that allows editing in CLI command lines (similar to the PET and MYCLI). Includes source. Author: Peter Kittel FF71
- PetersQuest** This cute game has you the intrepid Peter following a trail of hearts through a world of 20 levels riddled with porcupines and other hazards to rescue Daphne the love of your life that has been

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kidnapped by the evil Brutus. Includes digitized sound and colorful graphics. Version 1.2 an update to version 1.0 on disk 224. New features include super speed super jump rocket pack and more. Binary only. Author: David Meny FF577

**PetersQuest** This cute game has you, the intrepid Peter, following a trail of hearts through a world of 20 levels, riddled with porcupines and other hazards, to rescue Daphne, the love of your life that has been kidnapped by the evil Brutus. Version 1.0, binary only. Author: David Meny FF224

**PETrans** translates PET ASCII files to ASCII files. In C source code and executable. Documentation included. AM14

**Pex** A demo of the various graphics capabilities of the Amiga. Author: Unknown (no documentation included) PictureGarden Another demo, apparently in compiled basic. Author: Unknown (no documentation included) FF206

**PF** A CLI/Workbench interface to control an Hewlett-Packard Deskjet 500 printer, enabling the user to select an internal font and to print one or more files, or to initialize the printer. Version 2.10, includes source (SAS-C) Author: Maurizio Loreti FF539

**Pfiler** A very good and small file requester to link onto your own programs. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PhoneGram** Generates text from phone numbers. Attempts to find all three and four letter words encoded by any phone number. Graphic keypad display with sound. Version 1.01, binary only. Author: Martin C. Kees FF516

**Piano** Simple piano sound program. AM21

**PicBase** A program that allows the user to organize and manage all IFF images and brushes stored on disk. Displays a miniature monochrome (8 or 16 level) image of each file, with information such as the full pathname, the creation date, file size, image size and depth, display mode, and filename. The images are displayed four at a time and can be scrolled in realtime, manually or automatically sorted, presented as a slideshow, and more. Version 0.36, shareware, binary only. Author: Mike Berro FF527

**PickPacket** PickPacket gives you a visual display of the DosPacket structures that are sent to handlers, and lets you see the results. You can actually perform handler operations such as open files, read or write data, Examine or ExNext locks, and so forth, all by talking directly to the file system handler involved using PickPacket. V1.0, with source. Authors: John Toebe and Doug Walker FF227

**PicPak** A package of general purpose picture loading and manipulation functions including IFF ILBM loading ViewPort color control (including fades and color cycling) and frames. Will also load and display SHAM images. Version 1.3c includes source. Author: Paul Miller FF593

**Pics** Some miscellaneous pictures with a cartoon theme. Author: Bob McKain FF394

**PicSaver** A small utility that allows you cut rectangular portions of any screen and store them on disk as IFF ILBM files. Also allows easy saving of windows and entire screens to disk. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**PicToANSI** Converts a one bit plane 320x200 IFF picture to a file that displays the picture on any ANSI compatible terminal. Binary only, source available from author. Author: Patrick Evans FF448

**PictSaver** A small utility that allows you cut rectangular portions of any screen and store them on disk as IFF-ILBM files. Also allows easy saving of windows and entire screens to disk. This is version 2.4 an update to version 2.0 on disk 543. Binary only. Author: Preben Nielsen FF593, FF543

**PictureEditor** An 'object-oriented' paint program that allows you to create, modify, load, and save hierarchical structured picture objects. Version 1.12, shareware, binary only. Author: Hans W. Stremlau FF464

**Pictures** Miscellaneous pictures selected from dozens of pictures that have come my way since the last full art disk. Author: Rich Payne, Grace Rohlf, and others. FF45, FF11

**Pictures:** IFF pictures from past Amazing Computing issues. AC11

**PigLatin** Tired of the 'say' command? This one will translate and speak your input in pig latin! Author: Thomas Clement FF18

**pigs** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Pilot** An implementation of the PILOT language for the Amiga, including a demo done for the National Park Service. PILOT is a limited use language for use in educational and computer based instruction programs. Binary only with Beta test kit available from authors. Author: Terry LaGrone FF150

**PinballConstSet.pic.** A screen from Pinball Contruction

Set in an IFF picture. AM6

**pinwheel** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. It is not certain whether which of the two early basics this program used. FF13

**pipe organ** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**PipeDevice** A working 'pipe' device, which allows the standard output of one process to be fed to the standard input of another process, with both processes running concurrently. Author: Matt Dillon FF55

**PipeHandler** An AmigaDOS pipe device which supports OPEN, CLOSE, READ, WRITE, LOCK, EXAMINE, and EXNEXT. Thus you can have 'named pipes'. It also supports 'taps' on a pipe, to capture all data flowing through the pipe. Version 1.2, includes source. Author: Ed Puckett FF84

**Pipeline** A game like the commercial game 'Pipe dream' (Pipe mania). Needs a joystick and PAL display. High scores are saved to disk. Version 1.0, includes source. Author: Andre Wichmann FF358

**PKAZip** The PKWare ZIP tool for the Amiga. Provides functions to create, examine, extract, test, modify, display, and print files which are in the ZIP compressed format Uses a full Intuition interface with no CLI support. This is version 1.01, Binary. By PKWARE Inc, Amiga version by Dennis Hoffman FF318, FF311

**Planets** Some routines ported to the Amiga by Bob Leivian, that compute the location of the planets (as viewed from a specific point on the earth) and the phase of the moon, for an arbitrary date and time. With source. by Keith Brandt VIII, Jim Cobb, F. T. Mendenhall, Alan Paeth, Petri Launiainen, Bob Leivian FF321

**PlansDemo** Demo version of a drawing program with user definable fonts over 32000 named lockable layers definable screen resolution hierarchical parts and grouping importing of HPGL plot files multiple simultaneously loaded drawings many print options fully programmable plotter support 38 mouse drawing modes over 22 numeric object creation modes 53 editing modes rulers crosshairs grid bezier curves and more. This is version 2.1 binary only. Author: Gary Hale FF633

**Plasma** Programs that generate very colorful Plasma Cloud Fractals. Plasma clouds are a special form of fractal which show very smooth color gradations. This is version X.x an update to version 1.1 on disk 285. Includes source. Author: Roger Uzun FF573, FF285

**Plop** Short, simple, no-frills IFF reader program, and a sample picture made using a ray tracing algorithm. Author: Jim Kent FF35

**Plot** A 3-D function plotting program with provisions for coordinate translation on both axes, parametric equations, and standardized notation of the pow function (x^y — which now works as specified.). This is version 5.1, an update to version 4.1 on disk 175, with some enhancements and bug fixes. Binary only. Author: Terry Gintz FF389, FF175, FF49

**Plot** A package for making 2D and 3D plots conveniently. AG Baxter wrote the intuition interface program (Plot) and Tim Mooney wrote the MultiPlot and ThreeDPlot programs, which are called from Plot. This is version 1.2 and includes source to Plot. Author: AG Baxter, Tim Mooney FF231

**Plot** A shareware 3D graphing program written in AmigaBASIC, with some sample output plots. Source available from author. Author: George Trepal FF121

**Plot6** A star plotting program. Short on documentation and user friendliness, but interesting. Includes source. By Darrin West FF85

**PlotData2D** Plots data onto a custom user defined screen and window, reading the plot and screen/window definitions, along with the X and Y data pairs, from a disk file. Supports linear, log-log, and semi-log axis plots. The data can be plotted with lines, symbols, or both. Includes numerous example plots. Version 1.0, includes source in Fortran. Author: Robert C. Singleterry Jr. FF288

**PlotLib** Another function plotter library with different display options in 2D 3D or Niveau. Easy to use functions allow you to write your own plot program. Output functions for screen and HPGL plotter. Demo program included. Works on Amiga and MSDOS. Includes source in C. Author: Silvano Oesch FF602

**Plotter** A program to plot math functions. This is V3.98 an update to version 3.71 on disk 376. Needs mtool.library (supplied). Freeware binary only. Author: Ruediger Dreier FF573, FF376

**PlotView** A couple of programs, Plotview and Plot2Am, for viewing UNIX plot files. Also included are two sub-directories: Plot — a device independent plotting package for the Amiga, compatible with the UNIX plot subroutine package and PlotTek — converts UNIX plot format files to Tektronix 410x terminal graphic commands. Source included. Author: Joel Swank FF165

**Pplot** A library of C functions useful for scientific

plotting on the Amiga. The library is Lattice C compatible. Contour plotting, three dimensional plotting, axis redefinition, log-log plotting and multiple subpages are a few of Pplot's features. The plots can be displayed on a monitor or sent to a graphics file for subsequent printing. This is version 2.6. This version includes a greatly improved intuition interface, preferences support for hardcopy, several new device drivers, and the capability of adding additional device drivers easily. Includes source. Author: Tony Richardson FF340, FF222

**PlusCR** Companion program to StripCR, it reverses the procedure. PlusCR produces a file ready for use on systems which require both the CR and LF characters to mark the end of a line (such as those running MSDOS for example, includes source in assembly. Author: Bill Nelson FF237

**PLW** Phone-Line-Watcher. For users of Hayes compatible modems. Monitors the serial port and records all incoming calls. Allows a remote user to login, receive and leave a message, and transfer files via Zmodem in either direction. Two level DOS access, disabled DOS requestors and more. This is version 3.0, an update to version 2.8 on disk 372. New features include the ability to define external programs as menu options that can be executed by the remote user. Shareware, binary only. Author: Christian Fries FF402, FF372, FF363

**pm** A chart recorder performances indicator. AM11

**Pmode** Very simple command line utility to send escape sequences to the printer to change print styles. Specifically tested a NEC P6 Plus, but it should work with many printers. Included source should make it easy to add/modify escape sequences. Author: Dario de Iudicibus FF392

**Pogo** Another of Eric's cute animations. This one has Pogo and crew trying to hold a conversation with the beautiful Miss Mam'a selle. Author: Eric Schwartz FF423

**Pointer** Use the SID sleepy pointer in your programs. Includes C source, a sample program, and modules that you can plug in to your C programs. Author: Timm Martin FF430

**pointerEd** Pointer and sprite editor AmigaBASIC program. AM11

**PointerLib** A disk based shared library which provides programmers with easy access to custom pointers and a consistent user selected busy pointer. Includes source. Author: Luke Wood FF446

**PointerX** Spins the hands of any pointer that looks like the standard AmigaDOS 2.0 Workbench "busy" pointer (a clock). Will also work with any application that uses the same pointer. Includes source. Author: Steve Tibbett FF483

**PokerDemo** Demo version of some Solitaire card games from UnSane Creations. Includes Accordion, Calculation, Poker Solitaire, and SeaHaven Towers. Binary only. Author: Steve Francis FF403

**PolarView** A planet view in an IFF picture. AM6

**Police** Simple police siren sound. ABasic program. AM1

**Poly** A polygon drawing demo using the Area Move, Area Draw, and Area End functions Author: John Olsen FF52

**Polydraw** A drawing program written in ABasic. Author: David Addison FF15

**Polyfractals** A fractal program written in ABasic. Author: David Addison FF15

**Polygon** A moire type pattern generator but with color cycling. Author: TerryGintz FF49

**PolyRoot** Another Polynomial root-finder using the Newtonian algorithm. Nicely done in AmigaBASIC with good documentation file. Version 2.00. Author: Jon Giorgini FF164

**PolySilCon** A centralized Shell Command Interface with visible scrollable History and mouse access. Allows multiple shells to be controlled from a single command/history window. Commands can be re-executed with a mouse click. A group of commands for a project may be loaded into the history from a file for easy access. Compatible with both 1.3 and 2.0 AmigaDOS. ShareWare, binary only. Author: Pete Goodeve. FF504

**PolySys** An extended version of the 0L-system (string rewriting) described in The Science of Fractal Images (edited by Pietgen and Saupe). The basic algorithm has been expanded and modified extensively, and looping commands similar to those found in other Turtle graphics systems (Logo, etc) have been added. Support for three-dimensional drawing, with perspective, is also included. Version 1.0, binary only. Author: Terry Gintz FF389

**Poor Man's Spreadsheet:** A simple spreadsheet program that demonstrates manipulating arrays. Author: Gerry L. Penrose. AC10

**PopArt** Intuition based image data generator and animator. Includes source. Author: Philip FF374

**PopCLI** Provides a simple way of starting another CLI at any time without having to load workbench or exit whatever program you may be using. Also has a built in screen saver mode that automatically blanks the Amiga console screen when there has been no input for a specified period of time. Version III with source.



# Freely Redistributable Software

Author: John Toebes FF84, FF40, FF35, AM15, AM12

**PopColours** Lets you change the Red/Green/Blue components of any color register, on any screen currently in the system. Uses a movable window with slider gadgets. Very well done. Version 1.0, Nov. 1986. Author: Chris Zamara and Nick Sullivan FF43

**PopDir** A small utility which 'pops open' to help you look at the contents of a particular directory on demand. Version 1.6 with source. Author: Jonathan Potter FF287, FF204

**PopInfo** A small utility which pops open to give you information about the status of your devices and memory. This is version 4.0, an update to version 3.0 on disk 242. Binary only. Author: Jonathan Potter FF412, FF242, FF223, FF204, FF172

**PopLife** A PopCLI type thingie that instead plays life all over your screen. Lots of bits and pieces from Tomas Rokicki's blitlab and John Toebes' PopCLI. Includes source. By Olaf Seibert FF111

**PopMenu** A set of functions for the setting up, drawing, and handling of pop-up menus that are affixed to windows. Clicking on the menu box area will open up the full menu, with the list of menu items inside. Source and a sample program included. Author: Paul Thomas Miller FF368

**PopScreen** A small hack to pop a hidden screen to the front from the CLI. This was written to allow the author to use VLtjr with other programs that also use custom screens. Source included. Author: Stephen Vermeulen FF326

**PopulousKeys** Code words and options descriptions for all 495 worlds of Populous (TM Electronic Arts and Bullfrog Productions). All information was obtained by the author's excessive playing of Populous. Author: Kenneth Fuchs FF531

**PopUpMenu** A small program that makes it possible for you to use pop-up-menus with any program that uses standard intuition menus. Version 3.5, includes source. Author: Martin Adrian FF422

**PopUpMenu** Example code implementing pop-up menus that are reasonably compatible with Intuition menus. Includes source. Author: Derek Zahn FF96

**Porsche** A Porsche in an IFF picture. AM6

**Port2** Sample C program showing how to control a mouse connected to the second mouse/joystick port. Executable creates a second mouse pointer that is controlled by a mouse plugged into port 2. Version 1.0, includes source. Author: Olaf Barthel FF371

**portar** Portable archiver. Used to bundle text file up into a single file for transmission as a unit, or otherwise handling as a single file. 'Portable' because the code itself is portable and because the archive format is very simple (uses ASCII headers to separate files). From Decus C distribution. Author: Martin Minow FF2

**PortHandler** A sample Port-Handler program that performs the functions of the standard Port-Handler. Shows what the BCPL environment looks like from the handler point of view. Author: John Toebus VIII FF20

**Post** An excellent PostScript interpreter for the Amiga which implements the full Adobe language. Supports type 1 and type 3 fonts, screen output, file output, and printer output. Requires Arp library V39+ and ConMan V1.3+. This is version 1.6, an update to version 1.5 on disk 468. Includes source in C. Author: Adrian Aylward FF518, FF468, FF446, FF408

**potgo.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**PowerLOGO** A powerful and versatile dialect of the LOGO programming language. Includes all of the support for word and list processing program code processing local variables global variables free variables recursion tail recursion etc that you expect from LOGO. Also includes support for demons while loops menus screens windows window graphics turtle graphics reading and writing files optional inputs for procedures mutable lists etc. This is version 1.1 an update to version 1.00 on disk 377. Binary only. Author: Gary Teachout FF635, FF377

**PowerPacker** A shareware command and data cruncher, with a full intuition user interface. Executable files which are crunched are automatically decrunched upon execution, thus saving precious disk space on systems without hard disks. Version 2.3b, binary only. Author: Nico Francois FF253

**PowerSnap** A utility that allows you to use the mouse to mark characters anywhere on the screen, and then paste them somewhere else, such as in another CLI or in a string gadget. Checks what font is used in the window you snap from and will look for the position of the characters automatically. Recognizes all non proportional fonts of up to 24 pixels wide and of any height. Works with AmigaDOS 2.0 in both shell and WorkBench environments. This is version 1.1, an update to version 1.0 on disk 467. Binary only. Author: Nico Francois FF542, FF467

**PowerSource** A program for creating and editing intuition gadgets and menus. Previously known as GadgetED (disk 475). Includes a palette editor, generation of either C or assembly source, and

binary saving for later loading and editing. This is version 3.0, includes source. Author: Jan van den Baard FF547

**PowerVisor** A powerful machine language level debugger for the serious Amiga programmer. Compatible with all Amiga models all Motorola CPU's from 68000-68040 68881/68882 FPU's and the 68851 MMU. Supports ARexx scripts and scripts written in an internal language online help some resource tracking and much more. Version 1.13 beta shareware binary only. Author: Jorrit Tyberghien FF638

**PowerWindows** PowerWindows aids in creation of custom windows, menus, and gadgets. It will write C or assembly source implementing these, for linking with your programs. Binary only. Author: Inovatronics Inc. FF71

**PP** Patches AmigaDOS and makes decrunching of powerpacked files completely transparent to any program attempting to read such files. This means that any program may work directly on powerpacked datafiles without any need to decrunch these first with PowerPacker. A must for Powerpacker fans. This is version 1.4 an update to version 1.3 on disk 542. Full source is included. Author: Michael Berg FF601, FF542, FF515

**PPAnim** An anim player for normal IFF ANIM opt 5 (DPaint III...) files or ANIM files crunched with PowerPacker. The decrunching is done automatically as the file is read. Features many command line options, palette change during animation, full overscan PAL/NTSC support and yet it is only 7K. Compatible with AmigaDOS 2.0. Some new 2.0 features (Asl requester) supported. Version 1.0a, an update to version 1.0 on disk 414. Binary only. Author: Nico Francois FF542, FF414

**PPLib** A shared library to make life easy for people who wish to write programs that support PowerPacker. Loading crunched files from C or assembly is made fast short and easy. This is release 1.4 an update to the version on disk 575. Includes source. Author: Nico Francois FF623, FF575, FF561, FF414, FF371

**PPLoadSeg** This program patches the loadseg routine to automatically recognize files crunched with PowerPacker. After running PPLoadSeg crunched libraries and devices are still recognized by AmigaDOS. You can even crunch fonts and use them as normally. Version 1.1 an update to version 1.0 on disk 542. Binary only. Author: Nico Francois FF569, FF542

**PPMore** A 'more' replacement program that reads normal ascii text files as well as files crunched with PowerPacker. The crunched files can result in considerable disk space savings. This is version 2.0 an update to version 1.8 on disk 542. Binary only. Author: Nico Francois FF561, FF542, FF371, FF334, FF302

**PPrefs** Preferable Preferences is a program designed to replace the standard preferences, that is shorter, more efficient, and easier to use. Binary only. Author: Jonathan Potter FF242

**PPrint** A printing utility, designed for all those who slowly but surely become frustrated with programmers who think that they can do a form feed better than their printer can. This one relies on the printer itself to do the formatting, and on the program to send the settings. Features include a full icon driven user interface, the ability to convert tabs to any size, and the ability to save a number of standard settings. Version 1.10, includes source. Author: Marc Jackisch FF487

**PPShow** A 'show' program for normal IFF ILBM files or ILBM files crunched with PowerPacker. The decrunching is done automatically as the file is read. Version 2.0 an update to version 1.2a on disk 542. Binary only. Author: Nico Francois FF561, FF542, FF371, FF334

**PPType** A "print" program that will print normal ascii files or files crunched with PowerPacker. Several nice features such as page headers and numbers, adjustable tab sizes, page info taken from preferences and more. Version 1.1a, update to version 1.1 on disk 371, binary only. Author: Nico Francois FF542, FF371

**Pr** A little utility to print listings in different formats. Similar to the UNIX 'pr' program. With source. By Samuel FF122, FF34, AM15

**Practal Modula-2 Buffered Disk I/O:** Buffer file input and output to improve disk accessing speed. Author: Michal Todorovic. AC13

**PReader** An all purpose reader that displays text, pictures, sounds, and animations, all of which may be uncompressed or compressed with a companion compression program (not included). Text can include embedded static or animated illustrations and sounds. Version 5.1, freeware, binary only.

Author: Chas A. Wyndham FF543

**Prep** Version 2.1 of a Fortran preprocessor called 'prep', an alternative to ratfor. Prep has better macro facilities, a concise shorthand for array and vector statements, all the standard flow control constructs of forth, and is written in generic, portable C (I made no source changes). Includes source. By Roger Ove FF65

**PrettyWindows** Three different C routines to add various borders inside of windows. Includes source and a demo. Author: Thom Robertson FF399

**PrFont** Prints a sample of each font from the fonts: directory. Draws one line of each font on a custom hires screen which can be printed. This is version 1.4 an update to version 1.3 on disk 305. Binary only. Author: Joel Swank FF606, FF305

**printintr.c** Sample printer interface code. C program. AM4

**Print** Small print utility designed to replace the 'copy <filename> to prt:' command. Opens a window displaying the filename being printed, length, and a status bar showing percent completed. Also includes an abort gadget. V1.0, binary. By Luciano Bertato FF184

**Print Utility:** A homemade print utility, with some extra added features. Author: Brian Zupke AC9

**print.support** Printer support routines. Currently won't compile, missing a header file 'local.h'. Author: unknown FF5

**Print1.2** Another CLI-based printing utility with several nice features including the ability to print in ASCII or HEX, with or without line numbers and a CTRL-C Trap. Includes source. Author: John F. Zacharias FF174

**Printer driver** Text files for building your own printer drivers, including dospecial.c, epsontdata.c, init.asm, printer.c, printer.link, printertag.asm, render.c, and wait.asm. AM5

**printer** Printer pre-release copy of the chapter on printer drivers, from RKM 1.1. AM4

**printer** Shows how to open and use a printer, does a screen dump of the workbench screen if there is a graphics-capable printer attached. Currently does not compile under Lattice C Ver3.02 and does not link under Lattice C Ver3.03. By Rob Peck 12/1/85 FF5

**PrinterStealer** A program similar in function to 'Cmd' that allows diversion of output destined for the printer to a file for future output or debugging purposes. Binary only, source available from authors. Author: Alex Livshits and J-M. Forgeas FF95

**PrinterTip** A text file instruction for sending escape sequences to your printer. AM9

**PrintText** Program to display ASCII text files on the screen with scrollbar, arrow gadgets, automatic word-wrap, a search function, speech, IFF picture loading, and online help. Version 1.2, binary only. Author: Opher Kahane FF90

**PrintFiles** A freely redistributable print utility to replace the standard workbench Printfiles command. Supports Arrex application icon and setting up a print list with unlimited number of entries. Requires OS 2.04. Includes two versions V0.9e in English and V0.9d in German. Includes source. Author: Karlheinz Klingbeil FF632

**PrintHandler** A custom PRT: driver which offers easy single sheet support as well as limited data spooling. Version 1.6, an almost entirely rewritten update to version 1.1 on FF282. Includes source in 'C'. Author: Olaf Barthel FF352, FF282

**PrintImage** A simple program that provides an easy way to print IFF ILBM images. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF394

**PrintIt** A program to print IFF pictures on Epson compatible 9-pin printers. Prints in many resolutions, with many ways to convert color pics to black and white. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**PrintPop** A utility to enable the user to send some common control settings to the PRT: printer device. When installed, a left-amiga F1 sequence will pop up a small window with various options. Includes source. Author: Robbie Akins FF108

**PrintSpool** A print-spooling program. Very useful for printing files in the background. Many command-line options. Version 1.0.0, Includes source. Author: François Gagnon FF154

**PrintSpool** A shared library to easily add text or graphics print spooling to any C or assembly program. Binary only. Author: Jeff Glatt FF463

**PrintSpool** A small print spooling shared library that provides an easy way to print graphics and text for any application. It can print ascii text of any length or dump any part or all of a rastport. Takes care of opening the printer device and manages its own resources. Version 0.1, binary only, with source code examples. Author: Jeff Glatt, Dissidents Software FF393

**PrintSpooler** EXECUTE-based print spool program. AM8

**PrintStudio** Very nice intuition based general purpose print utility that prints text with a variety of options. Prints several graphic formats with yet more options. Print any part of a picture, print

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screens and windows, save screens and windows as IFF files, modify color palettes, change printing parameters and lots more! This is version 1.25, an update to version 1.2 on disk 366. Shareware, binary only. Author: Andreas Krebs FF402, FF366

**Prism** An ANSI editor that allows animations and complete color control. It is used on many BBS's to create animated screens. Includes a configuration editor font control and variable playback speed. Version 1.4 includes source. Author: Syd Bolton Chris Timmerberg Colin Vernon FF581

**PrivHndlr** A privilege violation handler for the 68010 cpu. Like Decigel, but survives a reboot so you can use it with copy protected programs that run from boot. Version 3, includes source in assembly code. Author: John Veldhuis FF230

**PrLabel** A utility to print laser printer labels. Support 3x8 2x8 and 2x7 A4 label sheets. The program may easily be modified for other formats. Also serves as a demonstration of using STSLib for gadgets and menus. Version 1.1 includes C source. Author: Andrew Martin SciTech Software FF599

**Proc** Example program of how to create a full-fledged DOS process without needing to call LoadSeg first. Based on an idea presented at BADGE. Includes source. By Leo Schwab FF236

**ProCalc** A program that simulates an HP-11C programmable calculator. Lots of enhancements and bug fixes in Version 1.2, binary only, shareware. Author: Gotz Muller FF172, FF139

**proctest** Sample code to create a process, set up message ports, pass messages, etc. Sample slave code for create process test (littleproc.c) currently does not link under either Lattice C 3.02 or 3.03 (unresolved global variables not in libraries) By Rob Peck FF5

**ProDrivers** AmigaDOS 1.3 printer drivers for the IBM 4201 and 4202 series of printers. Version 1.0, binary only. Author: David White FF451

**proff** Another text formatting program. This one is significantly more powerful than any of the others previously distributed on these disks. FF9

**ProffMacros** Subset implementations of the Berkeley 'ms' and System V 'mm' macropackages, for the proff program. Author: Tony Andrews and George Walker FF46

**Profiler** A real time execution profiler for Manx 3.30E. Using this you can identify what sections of your program are using the most time, or being executed the most, and optimize as appropriate. I was able to double the speed of some programs by using this tool. Includes source. Author: Tomas Rokicki FF48

**Programming in C on a Floppy System:** Begin to develop programs in C with just one megabyte of RAM. Author: Paul Miller. AC11

**ProgUtils** Some miscellaneous programming utilities and examples. With source in assembly. By Jorrit Tyberghein FF302

**ProjMot** A Projectile Motion plotter. Plots the path of a projectile fired with a variable initial velocity and angle. Display can be scaled, and time can be accelerated. The program returns the distance traveled and the time it took. This is version 1.01, includes source. Author: Chris Hopps FF453

**PropGadget** Example code for using proportional gadgets, written in assembly code and C, that can be called from your own application. Includes source. Author: Jerry Trantow FF269, AM21

**ProSuite** This is the Amiga Programmers Suite Book 1.01. The suite provides example code of facilities that every programmer needs (such as FileIO Requester), provides examples of new facilities (such as XText and DoRequest), and provides a tutorial on how to program the Amiga. With source. By R.J. Mical FF107

**prbase.h** Printer device definitions. C program. AM4

**PrtDriver** A printer driver for the Toshiba '3 in one' printer in its Qume (best) mode. Includes source in C and assembler. By Rico Mariani FF128

**PrtDrivers** A couple of new Printer Drivers. One for Digital Equipment's LN03+ laser printer, and one for Mannesmann Tally's MT420d dot matrix. Authors: DEC LN03 — Bernie Mentink MT420d — Sascha Wildner FF164

**PrtDrvGen** Program to automatically generate custom printer drivers. Version 2.2b, binary only, source available from author. Author: Joergen Thomsen FF90, FF60

**PrtDrvGen2.3** Latest version of a printer driver generator. AM22

**PrtSpool** A DOS handler, a print program, and a control program that implement a print spooling system. Like PRT, the DOS handler waits for stuff to be sent to it to be printed. The print program does line numbering and page headers. The control program handles administrative functions. Binary only. By Daniel Barrens FF216

**Ps** A program to display process priorities and another program to set a process's priority to any arbitrary valid value. Very useful to provide finer control over your multitasking environment. Author: Dewi Williams FF26, AM11

**PSGraph** A graphing program with plot previews and encapsulated postscript output. Version 1.0,

binary only. Author: Rick Golembiewski FF523

**PsIntrp** A postscript interpreter that reads postscript files and previews them on an Amiga screen. Interactive input and output takes place in a small window. The page to be shown is composed behind the window in an interlaced screen with 16 colors. Can also take input from a file. With assembler source. By Greg Lee FF101

**PSound** SunRize Industries' sampled sound editor & recorder. AM15

**PSX** A public screen manager for AmigaDOS 2.0. Lets you open, manipulate, and close public screens, set the global public screen bits, and provides a good example of using GadTools and ReadArgs. Version 1.1, an update to version on disk 418.

**PtrAnim** Program, includes lots of samples, a utility program and instructions on creating your own animations. Be sure to also read the 'Disclaimer' in the author's ReadMeFirst file. Binary only, shareware Author: Tim Kemp FF170

**PublicService** A screen clock intended for those whose day revolves around a series of breaks; this one counts down the minutes to each break and complains if you're at the Amiga outside working hours! All break times are contained in a small text file (example given). Times are expressed in words rather than numbers. Includes source. Author: Michael Warner FF592

**PubScreens** Two utilities to manipulate public screens. You can open and close them, or ask for information. Public's is the workbook version of PubScreen. AmigaDOS 2.0 only. This is version 1.0, binary only. Author: Jorrit Tyberghein FF418

**Purty** Provides an easy way to change some common printer settings via a small window with several gadgets. Binary only. Author: Charles Tyson FF66

**PushOver** A neat little board strategy game, in AmigaBASIC. Push your pieces onto the board until you get five in a row in any direction. Includes source. Author: Russ Yost FF122

**PUZZ** Very nice implementation of the sliding-block-puzzle concept. Good graphics and the ability to create your own puzzles using an IFF IFFM file and a text file. Includes source and several sample puzzles. Version 1.0. Author: Martin Round FF362

**Puzzle** Simulation of a puzzle with moving square tiles. Executable only Author: Bill Beogelein FF32

**PuzzlePro** Create a puzzle from an IFF picture, which the user can then piece back together again. Written in AmigaBASIC. Version 1.0, binary only, shareware, source available from author. Author: Syd Bolton FF122

**PW Utility** A shareware utility for ProWrite users, changes margin settings and font types. AM25

**PWDemo** Demo version 1.2 of the commercial product. FF71

**PWKeys** An input handler that allows you to manipulate windows and screens by pressing keys on the keyboard. It currently lets you perform 25 different functions. Features include mouse blanking, screen blanking, mouse acceleration, "sun mouse", mouse/keyboard locking, and an interactive program to define hotkeys and other settings. This is version 2.0, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**Pyro** A screen blanking program that goes beyond the normal blanking process. When there are no input events, pyro takes over and starts a little fireworks display in color. V1.1, binary only. Author: Steve Jacobs and Jim Boyd FF199

**Pyth** A program to draw the Tree of Pythagoras. Version 1.1, includes source. Author: Andreas Krebs FF238

**Pz15** Computer version of those cheap plastic puzzles with 15 white tiles numbered 1 through 15 and an empty square in a 4 by 4 arrangement. This one is more challenging since you can't solve it by just prying out the pieces. With source. By Mike Hall FF191

**QBase** Quick-Base is a 'MailBase Management utility', that lets you define and maintain records of your family, friends, and other associates. Currently a maximum of 200 records per file. Binary only. Author: Kevin Harris FF98

**QCD** QuickCD is a program written in assembly to quickly change directories in the current CLI/SHELL with the mouse and a file requester. Ten often used directories can be saved to a config file and quickly selected. Any unused entries are used to temporarily store the directories you have recently visited and any of these can be easily and quickly selected or saved with the mouse or a function key. Requires AmigaDOS V2.0x. Version 1.03 binary only. Author: Nic Wilson FF626

**QMan** Mandelbrot generator written partially in assembly for speed. Includes source. Author: Steve Bonner FF130

**QMouse** A very small mouse accelerator (4K) written in assembly language, but with most of the features of its larger cousins. Not related to QMouse on disk 49.

This is version 1.6, shareware, binary only. Author: Lyman Epp FF262, FF49

**qsor.asm** UNIX compatible qsor() function, source and C test program. Assembler program. AM2

**Q12** A cute program that gives the time the way many people actually do, I.E. 'it's nearly ten to five'. Includes source in assembly. By Charlie Gibb FF186

**Quantizer** FLC/LQ color quantizer which converts 24-bit true color images into 256, or less, color images. Uses a fairly sophisticated algorithm, mixing median-cut, popularity, and a custom algorithm. Includes a version for Amiga's with a math coprocessor. Version 1.0, shareware, binary only. Author: Christophe Labouisse and Frederic Louquet FF416

**Quattro** Another Tetris like program. Has three levels of play difficulty, sound effects, a 43-color background, next stone preview, and joystick or numberpad control. Version 1.0, binary only, source available from author. Author: Karl-Erik Jenss FF230

**QueryAny** Simple program for use in CLI scripts to query for yes/no decisions. Includes assembler source. By Mark Smith FF79

**queryWB** asks Yes or No from the user returns exit code. Source code and executable program. AM14

**Questionfort** A program to create update and present multiple choice questionnaires. Version 1.07 shareware source available from author. Author: Erik Von Raspator FF582

**Quick** A utility program specifically targeted at hard drive users to eliminate the frustration of launching programs on the Amiga. It eliminates the need to open Workbench windows and/or remember and type in long pathnames to executables. Version 1.0, binary only. Author: Greg Gorby FF453

**quick** A quick disk-to-disk nibble copier. Executable program and documentation. AM12, AM1

**QuickCopy** Three versions of quickcopy, a nice little full diskcopier. Two of the versions are capable of making backups of 'protected' Electronic Art's disks. By Dave Devenport FF35

**quickEA** Program copies Electronic Arts disks, removes protection. Executable program and documentation. AM12

**QuickFlix** An IFF slideshow and cel animation program that takes full advantage of the Amiga's multitasking operating system, supports all the graphics modes, can run with internal timing or be triggered by an external source, caches images in memory to achieve rapid frame rate, etc. V.0.13, binary, shareware. By Jeff Kunzelman, Rodney Iwashina, Takeshi Suganuma FF106, AM24

**QuickHelp** With the QuickHelp utilities you can make your own help files like man in UNIX (it is not compatible however). AmigaDOS 2.0 only. Version 2.0, binary only. Author: Jorrit Tyberghein FF420, FF302

**QuickReq** An 'Ask utility' to replace the 'ask' command from AmigaDOS. QuickReq can load arguments from files thus making it possible to handle long questions and texts. Also supports optional line breaks in BodyText, an option to center text to window, DisplayBeep when requester is activated, setting your own FrontPen number, specifying requesters width and height and all kinds of overscan displays. First public release. Version 2.0, includes source. Author: Markus Aalto FF457

**QuickTrans** Freely redistributable replacement for mathtrans.library containing faster versions of all 17 functions with almost the same accuracy.

Trigonometric functions are 2 to 2.5 times as fast. Logarithmic exponential and hyperbolic functions are about 3 times as fast. Version 1.0 binary only. Author: Martin Combs FF592

**Quiz** A simple Quiz game. Current quiz subjects include Bible, Indians, New England, Physics, and States. Binary only. Author: J. Dale Holt FF417

**Quotes** Quotes is a pseudo-random quote generator. It will scan a specified file of quotes, pick one at random, and display it. Great for startup-sequences. CLI-only. Version 1.0, includes source. Author: Adam Evans FF516

**QView** A very small file view program (only 3K) written in assembly language, but with most of the features of its larger cousins. V 1.1, shareware, binary only. By Lyman Epp FF262

**RadBoogie** This demo, which won 7th place in the 1989 BADGE Killer Demo Contest, uses almost all features of the Amiga extensively, including the copper, blitter, sprite hardware, 68000 machine language, and pre-emptive prioritized multitasking. With source. By Dave Quick, Mark Riley, Tomas Rokicki FF269

**RaiderGame** Raider 3DX is a classic space strategy game for X-Specs 3D. Search for enemy on a 3D map of the galaxy. Warp transport to trouble spots and protect the Federation bases. Blast the enemy with your energy torpedoes. But watch your own energy reserves since you are the last hope of the galaxy. Digitized sound. Amazing 3D action. Requires X-Specs 3D glasses. Binary only. Author: Richard Horne FF544

# Freely Redistributable Software

**RainBench** Simple program which cycles the hardware color register to get an interesting effect on your workbench screen. Binary only. Author: Brendan Kelihier FF90

**RainBow** Marauder-style rainbow generator. Installs a user copper list such that the background color is changed every few scan lines. Includes source. Author: John Hodgson FF58

**RAMCopy** A copy program designed for machines with 1 meg or more of RAM and only one disk drive. Allows you to copy a complete disk in only one pass. Author: Stephen Gunn FF165

**RAMdisks** Text file with tips on setting up your RAM disk. AM1

**RAMSpeed** Program to measure raw memory speed, comparing the internal to the external memory. By Perry Kivolowitz FF31

**Random** Random number generator in assembly. Much faster than versions using floating point. Can be used by either assembly or C programs. Author: Steve Beats at Commodore-Amiga FF20

**Random** Simple random number generator in C. Includes source. Author: Gene Toole(?) FF74

**random-circles** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**RandSam** Plays random soundsamples at random times, with random volume, random cycles, and a bit random period. It will definitely catch the attention of the unsuspecting Amiga user (particularly one that has the stereo turned up!) when a lion suddenly roars as they're typing away on their favorite word processor! User modifiable start-up configuration file. Includes source and some sample sounds. Author: Steven Lagerweij FF363

**RatMaze** 3D rat maze game in AmigaBASIC. AM8

**raw** Example sample window 1/O. C program. AM1

**RawIO** Example of how to set your standard input to what is commonly known as 'raw' and/or 'CBREAK' mode on UNIX systems. Includes source. Author: Chuck McManis FF85

**RayDance** Demo version of the RayDance raytracer. This is a fully functional version except that it requires clicking on a continuation prompt after every 15 minutes of rendering time and the total number of polygons and spheres in a scene is limited to approximately 1400. Includes both software and hardware floating point versions. Requires a minimum of 1Mb of ram. Version 1.0 binary only. Author: Charles Comstock FF585

**RayShade** Rayshade is a ray tracing program ported to the Amiga from UNIX. Rayshade's features include nine types of primitives (box cone cylinder height field plane polygon sphere superquadric flat triangle and phong-shaded triangle); composite objects; point directional and extended (area) light sources; solid procedural texturing and bump mapping of primitives; antialiasing through adaptive supersampling; arbitrary linear transformations on primitives; and more. This is version 3.0 patchlevel 5 and includes sources in C. The modifications for Amiga & SAS/C are distributed as diff files. Some example input files are also included. Author: Craig E. Kolb Amiga Port by Martin Hohl FF596

**RayTracePics** Ray tracing pictures, some of which appeared on FF39, but now in IFF HAM format for MUCH faster loading and compatibility with existing IFF tools. Author: Dave Wecker FF44

**RayTracer** A simple ray tracing program. It is capable of depicting up to 150 balls and a plane that is covered with a tiling of any bit mapped picture. Binary only and sparse documentation. Author: Friedrich Knauss, Steve Williams, Jim Horn and Mark Reichert FF66

**RCS** The Revision Control System (RCS) manages multiple revisions of text files. RCS automates the storing, retrieval, logging, identification, and merging of revisions. RCS is useful for text that is revised frequently, for example programs, documentation, graphics, papers, form letters, etc. This is an update to RCS version 1.2 on disks 281 and 282, and includes only the files that have changed. Author: Walter Tichy. Amiga port by Raymond Brand and Rick Schaeffer. FF451, FF281&282

**Reader** A program to scan a word list to locate which words can be made from the letters given. Allows matching of words by length and by giving the letters known, ie. m.t.h for the word MATCH. Great for word games and crosswords. Results output to screen and a RAM: based file. The word list is in ascii and so can be edited if desired. New words can be added and it could be used for different languages if required. Supplied with over 24,200 words (mostly English spellings). Version 1.0, includes source. Author: Gary Brittain FF432

**Readme** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ReadmeMaster** A nifty little database for finding

those programs that you know exist somewhere (???) in the AmigaLibDisk library. Maintains a keyword dictionary of the Contents descriptions that allows searching by disk number, program title, author's name, or some other descriptive word. Currently supports disks 1-360, an update to the version on disk number 163. Binary only. Author: Harold Morash FF390, FF163

**Reboot** A program which reboots your Amiga by calling exec's Cold- Reboot() function. This is version 1.02. Includes source in C. Author: Stefan Sticht FF497

**Recolor** A fully configurable icon recoloring tool that can swap or shift the colors of selected icons and truncate the depth of the icon color map. Binary only. Author: Michael Sinz FF490

**Record-Replay** A program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back to cause the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. This is version 2.0, an update to the version on disk 95. Shareware, binary only. Author: Alex Livshits and J-M. Forgeas FF105, FF95

**RecurDir** A recursive directory program that is useful as an aid in ZOOing files in nested directories. Allows one to easily ZOO the complete contents of a disk. With source. By Stephen Vermeulen FF284

**Redaktu** A PostScript program which runs on PixelScript to edit other PostScript programs. Several examples and a detailed explanation are included. Author: John Starling FF454

**ReDate** Scans a disk and dates each directory according to the most recent item contained within (not including .info files). Ideal for use after a COPY ALLCLONE, where the directories are CREATED rather than copied and thus lose their date information. Includes source in assembler. Author: Jim Butterfield FF358

**Regexp** An Amiga shared library version of the GNU regular expression package from the Free Software Foundation. A regular expression is a concise method of describing a pattern of characters in a string. By use of special wildcards, almost any pattern can be described. A regular expression pattern can be used for searching strings in such programs as editors or other string handling programs. Version 1.0, includes source. Author: Edwin Hoogerbeets, FSF, Jim Mackraz FF248

**Regexp** A nearly-public-domain reimplementation of the V8 regexp(3) package. Gives C programs the ability to use egrep-style regular expressions, and does it in a much cleaner fashion than the analogous routines in SysV. With source. By Henry Spencer FF179

**RegExpLib** Shared library that implements regular expression pattern matching. Version 1.0, binary only. Author: Stephen Moehle FF444

**regintes.c** Region test program. C program. AM4

**region** Demonstrates how a drawing area can be split into linked rectangular regions. Draws a rectangle in a single playfield display, then draws 'Behind a Fence' several times behind an apparent fence in the rectangle. Only works under Latitec Ver3.03. Author: Rob Peck FF5

**RemapIcon** A utility to remap icons to be exchanged between Kickstart 2.0 and Kickstart 1.2/1.3 Workbench environments. The icon images are remapped to reflect the different colour palette used by the Workbench releases. Version 1.0, includes source. Author: Olaf Barthel FF372

**RemapInfo** An icon color remapping tool that swaps the colors black and white. The program runs on 1.3 but when run on 2.0 it supports the Applcon feature. It allows you to drag all icons you wish to remap on RemapInfo's Applcon to recolor them. Version 1.1 an update to version 1.0 on disk 542. Binary only. Author: Nico Francois FF623, FF542

**REMCVR V1.00** Utility to remove CR's in files FF168 & 169

**RemLib** Removes a specified library (if currently unused) or displays some information about all available libraries. Version 1.11, includes source in assembler. By Heiko Rath FF178, FF139

**RemoteLogin** A couple of programs which make possible remote access to your Amiga. One program checks the serial port for an incoming call, and starts a program when it is detected. The other is a password protection program which allows starting various programs based upon login id, thus providing some minimal security for your computer. With source. By Dave Kinzer FF247

**RepString** Nice little CLI utility to replace any type of string in any type of file with another string of any type. V1.0, binary only, shareware. By Luciano Bertato FF180

**Req** An enhanced version of the interface to req.library for Aztec C 5.0. Pragmas supplied and glues put in a library rather than in an object file. Includes source in asm. Version 1.1. Author: Pierre Carrette FF540

**ReqAztec** An enhanced version of the interface to req.library for Aztec C 5.0. Includes source in assembly. Author: Pierre Carrette. FF419

**ReqLib** A runtime, reentrant library designed to make it easier for programmers to use powerful,

easy to use requesters, for communicating with users. Includes such functions as a color requester, file requester, message display requester and many functions to make the creation of gadgets for your own custom requesters easier. This is version 2.5, an update to version 1.2 on disk 400. Binary only. Author: Colin Fox and Bruce Dawson FF419, FF400

**ReqLibrary** A Modula-2 interface to Colin Fox's and Bruce Dawson's 'req.library' v2.5. This is version 1.01. Includes source in Modula-2. Author: Jürgen Zimmermann FF563

**ReqTools** A standard Amiga shared runtime library which makes it a lot quicker and easier to build standard requesters into your programs. Designed with CBM's style guidelines in mind so that the resulting requesters have the look and feel of AmigaDOS 2.0. Version 1.0d an update to version 1.0b on disk 575. Includes source. Author: Nico Francois FF623, FF575, FF561

**Request** Opens the OS 2.0 autorequester from script files. Title, text, gadgets and publicscreen of the requester can be changed by commandline options. This is version 1.00. Includes source in C. Author: Stefan Sticht FF497

**Requester** A file name requester that looks like the one used in Deluxe Paint, and a sample program for using the requester. With source. By Kevin Clague, enhancements by Randy Finch FF84, FF34, AM9

**requesters** Sample program and documentation for building and using requesters. John worked REAL hard to dig out all the information in this one! Author: John Draper (aka 'crunch') FF1

**ResetHandler** Installs a handler in the keyboard.device reset handler list that is called when you press CTRL-AMiga-Amiga. It opens a window and counts down from 9 to 0 in ten seconds and then resets the machine. This gives the machine extra time to do vital things like validating disks and gives you time to reconsider the reboot. Version 1.0 includes source. Author: Stefan Becker FF572

**Resident** A resident startup module for Aztec C. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF396

**ReSourceDemo** A demo version of ReSource, an interactive disassembler for the Amiga. This is a complete version except that the 'save' features have been disabled. This is version 3.06. Binary only. Author: Glen McDiarmid FF232, FF192

**Retab** Useful command-line 'tab-to-space' and 'space-to-tab' expansion utility. Several command-line options to specify size/settings and the ability to protect material enclosed by delimiters (quotes, brackets, carats, etc.) from expansion. Version 1.03, binary only. Author: Paul Klink FF389

**ReturnCode** Two Short programs (LogRC and GetRC) to allow the "Return Code" left by a previous program to be saved in a form suitable for further (script) testing. GetRC allows the Return Code to be set or viewed as desired. Assembly source included. Author: Jim Butterfield FF502

**RevBut** Another InputEvent hack, giving you a toggling right mouse button. V1.0, with source. By Michael Balzer FF332

**Revenge** A fast-action game with horizontal scrolling in which you control a laser-spitting Camel while destroying hordes of weird enemies who are after your hump. Collect bonuses on the way to obtain more devastating weaponry. In 2-Player & CPU-Assist modes an Antipical-creature joins the Camel to make a team. Stereo phased samples 42 levels in several zones. 512K-NTSC version. 1MEG and/or PAL versions avail- able upon registration. Shareware binary only. Author: YaK Llamasoft UK FF617

**Reversi** Plays the classical reversi game on an 8 x 8 square field. Version 2.0, an update to version 1.2 on disk 245. Includes source in assembly language. Author: Marc Fischlin FF305, FF245, FF38

**Reversi** Version of the well known game. Features an 'intelligent' computer opponent. Includes source in Modula II. Author: Robert Brandner FF549

**RevHead** REVHEAD is a program for generating info files for your existing sourcecodes/executables. The info data is stored in a separate file. Features Kick/WB 2.0 environment. Version 1.05. Freeware. Binary only. Author: Carsten Raufoß FF584

**RexxArpLib** A library which originally was supposed to be an ArRexx interface to the ARP library. However, it has also become an interface to various Intuition functions, containing over 50 functions including a file requester, string/boolean requester, environment variable functions, simple message window, wildcard expander, etc. V2.3, an update to FF178. Binary only. Author: W.G.J. Langeveld FF227, FF178

**RexxHostLib** This is a shared library package to simplify the ArRexx host creation/management procedure. Rexx-message parsing is also included making it possible to control ArRexx from programs such as AmigaBASIC (can you imagine AmigaBASIC controlling AmigaTeX?). This is

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# Freely Redistributable Software

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version 36.14, an update to version 34.12 on disk 355. Differences include a few bug fixes and new functions. Includes source. Author: Olaf Barthel FF403, FF355, FF325

**RexxIntuition** This is an ARexx function library that allows you to open windows/screens from an ARexx script, attach menus, gadgets, (file) requesters, load and save ILBM picture files, auto-requesters, print text and graphic dumps, and completely interact with the user in an intuition environment. Adds all of those Amiga features that ARexx lacks. Author: Jeff Glatt, Dissidents Software FF463, FF393

**RexxLib** A shared library that can be easily used by any C or assembly programmer to add an ARexx interface to his programs. Handles all of the messy details including message creation/deletion and error handling. Author: Jeff Glatt, Dissidents Software FF463, FF393

**RexxMathLib** A library which makes various high level math functions such as sin, tangent, log, etc, available in ARexx. V1.2 and 1.3, binary only. Author: W.G.J. Langeveld FF227

**RexxPIPlot** A library of C functions useful for scientific plotting on the Amiga. The library is Lattice C compatible. Contour plotting, three dimensional plotting, axis redefinition, log-log plotting and multiple subpages are a few of PPlot's features. The plots can be displayed on a monitor or sent to a graphics file for subsequent printing. This is RexxPIPlot version 0.3, an update to PPlot version 1.00 on disk 222. New features include an ARexx interface, support for IFF output, support for PostScript output, support for Preferences, some new functions, bug fixes, and more. Includes source. Author: Tony Richardson, Samuel Paolucci, Glenn Lewis and Tomas Rokicki FF306

**RexxRMF** ARexx Record Management Functions library is an ARexx external function library which provides keyed file access using AVL trees. With this library one can index data files for fast search/retrieval of data records. The record management functions allow for variable length keys variable length records variable number of fields per record multiple indices on a single file duplicate or unique keys passing of record data directly to/from ARexx variables etc. This is version 1.8 an update to version 0.5 on disk 559. Binary only. Author: Ronnie E. Kelly FF629, FF559

**RexxView** Monitors messages sent to the REXX port. Messages are described by task, action code and modifiers, and the contents of arg0 slot is displayed. CLI utility to monitor the REXX IPC hub for ARexx programmers and interfacers. Version 1.01, includes JForth source. Author: Martin C. Kees FF516

**rgb** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**rgbtest** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Rhodes piano** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**RickParksArt** A collection of artwork from one of the leading Amiga artists. Includes 'Bryce', 'Clipper', 'Einstein', 'Falconer', 'Lincoln', 'Lion', 'Mickey', 'Norman', and 'Stymie'. Superb hand drawn images with lots of detail. Author: Rick Parks FF426

**RingWar** A classic arcade game of reflexes. The graphics are based on the vector style of the old arcade games such as Asteroids and Tempest. The goal of the game is to penetrate through the three rotating rings and hit the five pointed star in the ringship at the center of the rings while avoiding randomly appearing mines and the ringship firing back at you. Binary only. Author: Eric Bazan FF604

**Ripples** This animation is one of Allen Hastings' entries to the Badge Killer Demo Contest. Unlike most other animations, it shows a fixed object from a moving point of view, rather than a moving object from a fixed point of view. By Allen Hastings FF127

**RistiNolla** A Finnish game. The name means something like CrossZero, and is also called Go-Moku. Version 1.0, shareware, binary only. Author: Mika Pihlajamaki FF106

**RKMCompanion** A two disk set of material created by Commodore for use with the 1.3 revision of the Amiga ROM Kernel Reference Manual, Libraries and Devices, published by Addison-Wesley. Almost 300 files, including C source code examples and executables, have been packed into two lharc archives, one for each disk of the two disk set. These examples are not public domain, but may be used and distributed under the conditions specified in the copyrights. Author: Commodore Business Machines, Inc. FF344

**RMBShift** A program that lets you use the right mousebutton (RMB) as a SHIFT-key. Useful when selecting multiple icons on the Workbench. Only uses 268 bytes of memory. This is version 2.0 an update to

1.0 on disk 547. However it is completely different from 1.0. Includes source in assembler. Author: Preben Nielsen FF555, FF547

**RoadRoute** A program that determines from a user modifiable data base the shortest and fastest routes between two cities. This is a German version of the distribution on disk 504 with 2641 German cities (towns hamlets etc) and 5555 connecting roads.

Requires 1Mb. Binary only. Author: Jim Butterfield Gunter Kirrbach FF553, FF504, FF396, FF358, FF328, FF251

**Robert** Grey scale digitization of a startled young man, an IFF picture. AM7

**Robot** A picture of a robot arm grabbing a cylinder. AM12

**Robot** IFF picture of toy robot. AM7

**Robotroff** Another of Leo's cute little display hacks. This one has a definite attraction to pointers (don't want to spoil the surprise) Author: Leo Schwab FF59

**Rocket** Another interesting Workbench display hack. This one is really a game in disguise. It is the same as the one on FF82, but also includes source. Author: Peter daSilva FF85, FF82

**Rocket** Another program in the long tradition of screen hacks. This one zeroes in on your mouse pointer. Binary only. Author: Lars Clausen FF303

**Rocky** Another Boulderdash clone. This one multi-tasks and accepts keyboard or joystick inputs. Loads of game levels. This is version 1.0. Includes source in assembly. Author: Laurence Vanhelsuwé FF629

**roff** A 'roff' type text formatter, roughly following 'Software Tools' version. Somewhat upwardly compatible with UNIX 'nroff' command. Author Ken Yap FF3

**RolandD110** A program to transfer sound samples between the Amiga and a Roland D-110. Version 1.0, binary only. Author: Dieter Bruns FF255

**RolandS220** A program to transfer sound samples between the Amiga and a Roland S-220. This is version 2.0, an update to MIDIsort version 1.0 on disk 199. Includes several enhancements. Binary only. Author: Dieter Bruns FF255

**RollOn** A Soko-Ban like shareware game, submitted by the author. Includes both English and German versions, a level editor, and digitized sounds. Version 1.1, binary. By Tobias Eckert FF302

**ROMWack** Text files with tips on using ROMWack. AM1

**ROR** AmigaBASIC boggling graphics demo. AM8  
**ror** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Rord** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Roses** A program that draws sine roses. Implements an algorithm given in the article 'A Rose is a Rose ...' by Peter M. Maurer in American Mathematical Monthly, Vol 94, No. 7, 1987, p 631. A sine rose is a graph of the polar equation 'r=sin(n\*d)' for various values of n and d. By Carmen Artino FF345

**ROT** C version of Colin French's AmigaBASIC ROT program from Amazing Computing. ROT edits and displays polygons to create three dimensional objects. Up to 24 frames of animation can be created and displayed. E-D AM18

**Rot** Program which generates and displays 3D objects. Consists of two pieces, an object editor and an action editor. The object editor creates 3D objects and the action editor defines up to 24 3D views of an object (which can be quickly cycled to get an animation effect). Version 0.5, binary only. By C. French FF71

**Rothello** Reversi/Othello like game that features the option to shift complete rows or columns of the playfield. Play a human or computer opponent. Version 1.0 shareware binary only. Author: Michael Koepke and Rolf Herrmann FF600

**Rounding Off Your Numbers:** Programming routines to make rounding your numbers a little easier. Author: Sedgwick Simons AC9

**RPN** An emulation of an Hewlett-Packard pocket computer on your screen. Version 1.00, includes source (SAS-C). Author: Maurizio Loreti FF539

**RPSC** A reverse polish scientific calculator. RPSC is a programmable RPN calculator in the Hewlett-Packard tradition. It supports operations with real numbers, complex numbers, matrices, and 3-D vectors, as well as storage and recall of labeled variables. Data and programs may be saved, loaded, or written as ASCII text, to AmigaDOS files. V1.1, binary. By Gary Teachout FF250

**RRamDisk** Another recoverable ram disk. This one supports up to 32 units and can be autobooted. Unused sectors are deleted from memory. The ram disk can be formatted, copied to, or used just like a normal disk drive. Binary only. Author: Bob Dayley FF451

**RSILClock** Yet another nice little clock utility that can sit around in your title bar. Lots of options. Version 1.3,

binary only. Author: Roy Laufer FF67

**RTCubes** A little graphics demo that shows 163D cubes in a 3D space, all being translated, rotated, and drawn on the screen in real time. Binary only, takes over the machine, reboot to recover. Author: Ralph Russell FF67

**Rubik** Another 3D Rubik's cube solver independently authored from the version on disk #285. Version 1.0, includes source. Author: Martin Round FF362

**Rubik** Translation to C of a Rubiks Cube solver program originally written in Basic by John Murphy. Includes versions to do an 'unwrapped' 2D solution, and a more visual 3D solution. Version 0.0, includes source. Author: Roger Uzun FF285, FF29

**Ruler** Ruler is a small tool used in the measurement and con- strainment of text. Originally conceived as a tool for insuring that filenames didn't exceed the Amiga's 30 character limit, it is nevertheless useful in any sit- uation when the number of characters in a line of text needs to be counted. Version 5.00, includes source. Author: Thad Florjany, Chad Netzer and Dave Schreiber FF496

**Run68010** Allows you to run programs that use 68010-specific instructions on 68000-based machines. Uses self-modifying code. Simulates 68010-specific registers. Starts from both WorkBench and CLI. Includes source in assembly. Author: Kamran Karimi FF638

**RunBack** A very compact version of the popular utility for starting a CLI process in the background, without preventing the CLI window from closing. This version is pure and only 468 bytes long. Requires the NULL: device, which is included. Using NULL: makes it more flexible and robust than older RunBacks. Can optionally delay up to nine seconds after starting the command. Includes source in assembly. Author: Paul Kienitz. FF429

**RunBack** Allows you to start a new CLI program and run it in the background, then closes the new CLI. This is version 6, an update to the version on disk 152 (the version on disk 214 appears to be on a different evolutionary path). This version compiles under Lattice with many optimizations enabled, and can be made resident. Includes source. Author: Rob Peck, Daniel Barrett, Greg Searle, Doug Keller FF240, FF214, FF152, FF65

**RunBackGround** Ancient history, but when I went looking for it on my disks, it was apparently something I missed. This program performs a function similar to that performed by RunBack on FF66, but this one is in C rather than assembler. Includes source. Author: Rob Peck FF73

**Running** A classical maze and puzzle game. You run around in a maze and try to catch the ghosts or spiders. It is completely multitasking friendly and compatible with AmigaDOS 1.2/1.3 and 2.0. You can design your own levels. Binary only. Author: Jorrit Tyberghein FF418

**RussianFonts** Russian Fonts ranging from 13 points to 31 points. Author: Daniel Amor FF517

**Rxgen** An ARexx library that allows you to call any function of almost any Amiga library from an ARexx program. This is version 1.0, binary only. Author: Francois Rouaix FF459

**Rxil** An ARexx interface library that makes it easy for programs to implement a complete, robust ARexx interface with minimal effort. Version 1.0, includes source. Author: Don Meyer FF299

**RxilShell** A set of routines to form an additional layer between the programmer and ARexx. Rxil\_shell sits on top of rxil on disk 299 and contains a few changes and bug fixes to the rxil routines. Using these routines adding ARexx support to a program becomes completely trivial. Version 1.0 includes C source. Author: Andrew Martin SciTech Software FF599

**S220to8SVX** Converts sound samples from a Roland S-220/S-10/MKS-100 to 8SVX IFF 8-bit samples. This is version 1.4, an update to version 1.0 on disk 286. New features include volume-adjust and start-endpoint setting. Includes source in assembler. Author: Dieter Bruns FF514, FF286

**Sabotage** Sort of an adventure game. ABasiC program. AM3

**sabotage** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SafeBoot** Very handy intuition-based program to read and save custom bootblocks. The bootblock can then be later restored should the disk become virus-infected. Version 2.2, binary only. Author: Mark Lanoux FF175

**SafeMalloc** Ever have a program that corrupts its own memory? Well, this little gem can help you find the problem in a hurry. Acts as an interface between your program and the real malloc, checking for overrun, under run, and duplicate freeing of malloc'd space. Author: Bjorn Benson, modifications by Fred Fish FF27

**saletalk** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not

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certain whether which of the two early basics this program used. FF13

**SAM** Another IFF sound player with several command-line options, plus several samples. V1.0, binary. By Nic Wilson FF182

**SAMP** An IFF sampled sound format designed for professional music use. It can be used for 16-bit samples, multiple waveforms, etc. Includes a SAMP reader/writer shared library, interface routines, and programming examples. Includes a program to convert 8SVX to SAMP. By Dissidents Software FF348

**Samp** Documentation and interface library for an IFF FORM SAMP, 16-bit sampled sound file format. This format allows more than one waveform per octave, and the lengths of different waveforms do not have to be factors of 2. Includes a utility to convert 8SVX files to SAMP format. Version 1.0, binary only. Author: Jeff Glatt FF307

**samplefont** A sample font that produces clubs, hearts, spades, and diamonds as its four characters. Shows precisely what is contained in an Amiga font. Author: Unknown FF5

**SampleScanner** By-passes the Amiga Dos file system and scans a disk directly, block by block, for sound samples. Allows you to hear the disk as it is being scanned. If a sample is found, it can be saved to disk for editing, direct use, etc. Author: Steven Lagerweij FF363

**SANA** Release 2 of the Standard Amiga Network Architecture device driver specification. This is a specification for the device driver level only. Author: Raymond Brand, Martin Hunt, Perry Kivlowitz FF540

**Sand** This program has 'magnetic grains of sand' that follow the pointer wherever it goes. Cute. Binary only. Author: Eric Vaughan FF82, AM21

**SandGlass** A program to animate the original Workbench busy pointer. Only for Workbench/Kickstart up to version 1.3. Version 1.0, includes source. Author: Dirk Remmelt FF548

**SASTools** Various submissions from 'Sick Amiga Soft'. Includes some virus tools, some screen hacks, some small games, and miscellaneous utilities. Includes source in assembly and Modula-II. Author: Jorg Sixt FF338

**Saturn** An IFF picture. AM6

**Saucer** Simple shoot-em-up game. ABASIC program. AM1

**SaveILBM** This program saves any screen as an IFF pic. Executable program and documentation. AM8, AM7

**saxophone** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Sb** Structure browser, that displays system structures via pointers found in other structures. You start from IntuitionBase and go from there. Version 1.0, includes source. Author: Nick Sullivan and Chris Zamara FF69

**SBackup** Programmers utility to assist in maintaining old versions of source code. SBackup maintains 2-99 old versions in any location desired. Version 1.00e, binary only. Author: George Kerber FF432

**SBall** A game using the joystick to control a 'bouncing ball'. Binary only. Author: Hertzog Wolfgang and Meisner Christian FF461

**SBProDemo** A restricted use trial version of Superbase Professional 4 complete with sample application. The limitations are 35 records max per file, programs can be edited but not saved, and forms can be edited but not saved or printed. In every other respect this is identical to the release product. SBPro4 is compatible with SB4 Windows V1.21. Version 1.0, binary only. Author: Precision Software Limited. FF492

**SBProlog V1.a** Volume 1 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2. This volume contains the executables and libraries. Volume 2, on FF 141, contains the C and Prolog source code. From the SB-Prolog System, Version 2.2 User Manual: 'SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. FF140

**SBProlog V1.b** The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog. FF140

**SBProlog V1.c** In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden FF140

**SBProlog** Volume 2 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2. This volume contains the C and Prolog source code. Volume 1, on FF 140 contains the executables and libraries. From the SB-Prolog System, Version 2.2 User Manual: 'SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an

extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog.' In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden FF141

**Sc** Program which demonstrates generation of good looking pseudo-random scenery. Includes source in C (translated from Draco version on FF61). Author: Chris Gray FF87

**Scales** Sound demo plays scales. C program in C source code and executable program. AM3

**scales** Demonstrates use of the Audio functions in the ROM to produce four voice sounds. It uses a simple waveform (sawtooth) with no amplitude control (ie, envelope) or frequency variation (ie, vibrato), but these can be easily implemented. Also includes considerable documentation on audio device. By Steven A. Bennett FF6

**Scan** CLI utility to display the individual character contents of any file. Displays the ASCII and Hex values, count and percentage of total along with actual character (if displayable). Listing is displayed on a console window or optionally written to an output file. Possible uses would be to scan files for binary characters, relative character counts, matching numbers of special characters, determining LF/CR configurations, etc. Version 1.0, includes source. Author: Dan Fish, console routine by Jim Cooper FF464

**ScanIFF** Scans through an IFF file, identifying the elements. Faster than standard utility IFFCheck since it uses Seek, but does not do IFFCheck's detailed format checking. Intended for use as a template from which programmers can code their specific application. For example, an expanded version has been used to extract instrument data from music files. Includes source in assembler. Author: Jim Butterfield FF358

**Scanner** Scanner makes commented C code of all intuition structures in memory. The structures will receive correct pointers towards each other. Scanner starts looking at IntuitionBase, and follows all pointers, storing them in memory. When finished, it writes all the structures to the standard output. Version 1.0, includes source. Author: Stefan Parmark FF218

**Scanning the Screen:** Part four in the fractals series. This article covers drawing to the screen. In AmigaBASIC and TrueBasic. Author: Paul Castonguay. AC7

**SCAT V1.00** Utility to 'cat' binaries without blowing up the display FF168 & 169

**Scat** Another display hack, created from Le, AM180 Schwab's 'Ing' display hack. Binary only. Author: Stephen Pietrowicz FF81

**SceneGenDemo** Demo of a program called Scene Generator, that generates very realistic looking landscapes. This program is an enhanced, low cost commercial version, of the Scenery program included on disk 155. This is version 2.03, binary only. Author: Brett Casebolt FF299

**Scenery** A very nice assembly language random scenery generator. Generates very realistic looking landscapes. Includes intuition interface and lots of menu options. Version 1.0, binary only. Author: Brett Casebolt FF155

**Scheme** 'Scheme is a statically scoped and properly tail-recursive dialect of the Lisp programming language invented by Guy Lewis Steele Jr. and Gerald Jay Sussman.' Binary only. Amiga port by Ed Puckett FF149

**Scheme2C** A Scheme compiler which accepts the language defined in the essential portions of Revised Report on Algorithmic Language Scheme with minor constraints and some additions. The compiler produces C source files which are then compiled using the system's C compiler (Lattice C 5.10 on the Amiga) to produce conventional object and executable files. Because of the size of the distribution it has been split onto three disks as follows: source and documentation archives on 556 M68000 binary archive on 557 and M68020 binary archive on 558. This Amiga port was done by Mike Meyer based on the 28-Sep-90 version of the translator. Author: Digital Equipment Corporation FF556, FF557 & FF558

**Schoonschip** A pioneering algebraic manipulation program which has been used in particle physics and continuously developed since late 1963. Not as friendly as Mathematica or Maple with no graphics or intuition interface and not as much built in but still a general purpose algebraic manipulation language. Written in machine language to run fast and be memory efficient. Capable of handling large problems. Includes large and small workspace versions tutorial examples sample programs and a

comprehensive manual. Version 5-Oct-91 binary only. Author: Martinus J. G. Veltman and David N. Williams FF568

**ScienceDemos** Some science demos. Sidereal is a tutorial program which introduces the user to the relationships between Julian and calendar dates and solar and sidereal times. J2000 is a utility program which converts stellar positions, proper motion, parallax and radial velocity from the standard epoch B1950 (FK4) to epoch J2000 (FK5). Galilean is a tutorial program which determines the position of the Galilean satellites relative to Jupiter. Programs courtesy of David Eagle at Science Software. FF27

**SciSubr** The Scientific Subroutine Package from DECUS, ported to the Amiga to run with Absoft Fortran. This is a valuable resource of mathematical and statistical source code for those doing Fortran work on the Amiga. Author: Unknown; ported to the Amiga by Glenn Everhart FF142

**SCM** Screen Color Modifier. A palette program that allows the changing/saving/loading of a screen's colors. Includes a separate loader program that can be used in batch files to set a screen's colors to predefined values after a program has been launched. Version 1.0, binary only. Author: Jean-Marc Nogier FF367

**ScnSizer** Sets the preferences data for increasing the window bounds, and takes effect immediately. Includes source. Author: Thad Floryan FF79

**ScottDevice** A mountable MicroForge SCSI driver. Supports one SCSI buss device with two hard disk units attached to it. Version 33.1, includes source. Author: Scott Turner FF84

**Scrambler** A simple program that will encode/decode a text file into illegible gibberish, which resembles executable code, to evade prying eyes. Version 0.01, Binary only. By Foster Hall FF148

**Screen Saver:** A quick remedy to prolong the life of your monitor. Author: Bryan Catley AC8

**ScreenDump** Dumps rastport of highest screen/window to printer. Author: Carolyn Scheppner FF33, AM8

**ScreenJaeger** A screen capture program that works by scanning through memory, allowing you to grab screens from programs that don't multitask, and save them as IFF files. Features include an Intuition interface, multiple bitplanes, support of all Amiga display modes and resolutions, CHIP and FAST memory, overscan, and both NTSC and PAL. This is version 1.0, includes full C source. Author: Syd L. Bolton FF523

**ScreenMod** Allows you to modify most of the parameters of any screen structure in memory, including colors and viewmodes. Use-ful for PAL programs which open their screens low. Has a companion program to automate changes later on. This is version 1.0, includes source. Author: Syd Bolton FF493

**ScreenSave** A program to save a normal or HAM mode screen as an IFF file. Also creates an icon for the saved file. Author: Carolyn Scheppner FF55

**ScreenShare** A library and support programs that enable applications to open up windows on other applications' custom screens. For example, your editor may want to open a window on your terminal emulator's screen so you can compose a message while still being able to see the contents of the terminal's screen. Both applications must cooperate for the screen sharing to work. This is version 1.21. Includes source for interface portions. Author: Willy Langeveld FF308, FF246

**Screenshift** Screenshift is a small program that allows you to adjust the position of the screen on your display, just like the preferences function. Works from CLI or WorkBench. Includes source. Author: Anson Mah FF89

**ScreenX** A program designed to make getting at screens easier, particularly screens that are lost behind other screens that don't give you depth gadgets. You can pop them to the front, push them to the back, save the screen to an IFF file, print it, and even try to close it. This is version 3.0, an update to version 2.1 on disk 158. Binary only. Author: Steve Tibbett FF418, FF158

**ScreenZap** A utility that forcibly removes screens and windows from your system. Useful to get rid of zombie screens or windows that have been left around by aborted or buggy programs. This is version 2.3 and includes source. By Lars Clausen FF303, FF157

**Scrimper** Short for 'SCreen Image Printer'. A screen dump utility which can be run from the workbench or the CLI. Author: Perry Kivlowitz FF18, AM8

**Script** A script language that allows you to automate actions you would normally have to do manually. Script can do anything that you do manually, by either the mouse or keyboard, by using a set of commands that instruct Script to simulate specific mouse or keyboard actions. Also has an ARexx port, so it can be driven by ARexx allowing ARexx control over programs that do not have ARexx ports. Includes both a recorder to generate scripts and a player to execute them. This is version 1.20, binary only. FF288

**ScrollDemo** Demonstrates the text scrolling capabilities of AmigaBASIC. AM9

**ScrollPf** Creates and displays a 400 by 300 by 2 bit plane

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playfield on top of a 320 by 200, 2 plane deep playfield, as a demo of dual playfield display. Author: Carolyn Scheppner FF35

**Scrub** A floppy drive cleaning program which automatically detects which drive has a cleaner diskette in it. Spins it for thirty seconds while moving the heads around. Pure. Includes source. Author: Paul Kienitz FF429

**SCSIMounter** An interactive, fully automated partition mounter especially suited for removable media SCSI drives. SCSIMounter automatically scans the Rigid Disk Block of the drives and presents the user with a partition selector which allows the individual selection of the partitions to mount. Requires Kickstart 2.0. Binary only. Author: Martin A. Blatter FF532

**SCSIPrefs** A Preferences editor for the battery backed up memory in the Amiga 3000. This small program allows you to change the bits that control some parameters of the embedded SCSI host adaptor. Requires Kickstart 2.0. Binary only. Author: Martin A. Blatter FF532

**SCT** A CLI-based utility (SetColorTable) for displaying and/or setting a screen's colors. You can save the colors of a screen to be restored later, or copy one screen's colors to another. Includes source. Author: aklevin FF151

**ScudBuster** A Scuds vs. Patriots missile game. This game is a combination of the old Missile Command Battleship and Stratego games rolled into one. Set up your strategy and launch missiles at your enemy while he launches missiles at you. Version 0.8 binary only. Author: Howard Dortch FF597

**SculptTools** Programs to create objects for use in Sculpt 4D. Includes Brush\_4D to convert IFF brushes to objects in full color with HAM and EHB support and wrap to various shapes (update to version on disk 361), Fractal\_4d to create fractal mountains with various coloring from brush, checkers or based on altitude, and Spiral\_4d to create a variety of objects based around tubes and helixes. Binary only. Author: Bruce Thomson FF430

**Sdb** Simple database program, originally released on a DECUS VAX SIGTape. Unknown author, Amiga port by Mic Kaczmarczik FF33

**SDBBackUp** A hard disk backup utility. CLI interface only. Does file compression. Version 1.1, binary only. Author: Steve Drew FF128, AM26

**SeaHaven** Demo version of a solitaire type card game. The object of the game is to separate the deck into its four suits, each in an ordered stack from ace to king. Version 1.1, binary only. Author: Steve Francis FF260

**Sealance** Game based on a Trident submarine simulator. You must use the weapons at your disposal to liberate the earth's cities from alien occupation. Binary only. Author: Jason Bauer FF462

**Search Utility:** A file search utility written in C. Author: Steven Kemp AC6

**Sectorama** A program designed to help Amiga users recover lost or damaged data from floppy or hard drives, or to repair a damaged volume. The author wrote this out of frustration with existing tools when he had multiple hard disk drive failures over the course of several months. This is version 1.1, an update to the version on disk 102. Binary only. Author: David Joiner FF108, FF102, AM24

**Sed** This is the GNU sed (stream editor) program, ported to the Amiga. Sed copies the named files, or the standard input, to its standard output, while performing certain editing operations specified in the command line script or in a scriptfile. Version 1.02, includes source. Author: Unknown, ported to Amiga by Edwin Hoogerbeets FF231, FF128

**SeeHear** A program to do a spectrogram of a sampled sound file. This is a graph with time on one axis, frequency on the other and the sound intensity at each point determining the pixel color. With source in C, including FFT routine. This is version 1.1. Author: Daniel T. Johnson FF335

**Seeker** A 'find file' type utility for AmigaDOS 2.0 with more features than most such programs. Intuition interface supports AmigaDOS and unix-like wildcards. Several operations can be performed on found files. Version 1.2 shareware binary only. Author: Donald Lloyd FF590

**Selector** A program that helps you assemble programs on a boot disk and start them in a user friendly way by putting up a window with gadgets to launch programs. Version 3.0, update to version 2.5 on disk 302. Binary only. Author: Nico Francois FF542, FF302

**SendMorse** Brush up on your morse code with this simple program that will read an input textfile and output the characters at an adjustable rate. Author: Joe Larson FF175

**SendPacket** General purpose subroutine to send AmigaDOS packets. Author: Phillip Lindsay FF35

**SendPackets** Updated versions of the ASendPacket and SendPacket examples from FF35. A SendPacket is an example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with asynchronous

AmigaDOS file I/O. SendPacket is a general purpose subroutine to send AmigaDOS packets. Includes source. Author: Phillip Lindsay FF66

**SensoPro** You try to remember and mimic the sound/color sequence played by the computer. Each time you get it right, another sound/color is added to the sequence. Great practice in case you ever find yourself in a 'Close Encounters of the Third Kind' experience. Binary only. Author: Peter Handel FF283

**Sentinel** A large ray-traced animation created with Turbo Silver SV, Deluxe Photolab, Deluxe Paint III, and the Director. It consists of approximately 60 to 70 frames of animation, rendered during a period of about three and a half weeks. This is Bradley Schenck's entry to the 1989 BADGE Killer Demo contest, and won first place in the contest. Because of its size, it has been split across two disks. The rest of the files are on disk 264. Requires 3Mb or more of memory to run. Author: Bradley Schenck FF263 & 264

**serial** Demonstrates access to the serial port. Requires an external terminal connected to the serial port. Author: Unknown FF5, AM5

**serisamp.c** Example of serial port use. C program. AM4

**seritest.c** tests serial port commands. C program. AM4  
**SerLib** A shared library providing easy access to any serial device. Allows both synchronous and asynchronous access to the port. With support code for Lattice, Manx and Oberon. Includes examples in both C and Oberon (with source) and docs in ASCII, DVI, and PostScript. Shareware. Author: Garry Glendown, Oberon-interface by Frank Schummert FF523

**Set** Replacement for the Manx 'set' command (to set or change environment variables) with several improvements. Author: Tomas Rokicki FF31

**Set040** A program to remap Kickstart V2.04 or greater from ROM into 32 Bit Ram on an Amiga equipped with a 68040 CPU using the MMU with optional parameters for greater compatibility between various 68040 boards and optional patch to stop drives from clicking. It can also load a different Kickstart than the one currently in ROM manipulate both caches and display information regarding some 68040 registers and modes. Version 1.14 an update to version 1.12 on disk 619. Includes source code in assembly. Author: Nic Wilson FF628, FF619

**SetAlternate** Merge the images from two icons to produce one icon with a primary image, and a possibly completely different image to display when selected. By John Toebes VIII FF12, AM8

**SetBatt** A tool to set the configuration information saved in the nonvolatile ram of the A3000 clock chip. Allows you to adjust the SCSI select timeout and other system settings. Includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**SetCCOPTS** Lets you easily deal with the MANX 'CCOPTS' environment variable. You can store settings to disk. Has a complete intuition interface. This is version 1.00, binary only. Author: Stephan Flother FF515

**SetClock** A utility to set or read the hardware clock on a Spirit Technology memory expansion board. Works in a manner similar to the SetClock utility which is supplied by Commodore with Amigas that have hardware clocks as standard equipment. Includes source in PCQPascal and assembler. Author: Willi Kusche FF390

**SetColors** A Palette replacement program that does a lot more in only 3K. Can save and load color files, and update preferences. Update to version on disk 419, with bug fix. Includes source in C. Author: Pierre Carrette FF540, FF419

**SetCPU** A program designed to allow the user to detect and modify various parameters related to 32 bit CPUs. Includes commands to enable or disable the text/data caches, switch on or off the '030 burst cache line fill request, use the MMU to run a ROM image from 32-bit memory, and to report various parameters when called from a script. This is version 1.60, an update to version 1.5 on disk 223. Includes source. Author: Dave Haynie FF400, FF223, FF187

**SetFont** Allows you to change the system font with various command-line options. Cleans up all known bugs in FF75. V2.5, includes source in C++. By Dave Haynie FF182, FF75, FF41

**setjmp.asm** setjmp() code for Lattice 3.02. in Assembler. AM2

**SetKey** Keymap editor, version 1.0 demo. Version without save function disabled is \$25. Binary only. Author: Charles Carter (CodeWorks)Vpg Video Pattern Generator. Creates displays useful for adjusting monitors and setting up live shots with center cross hair, frame, dots, H lines, V lines and an adjustable rectangle. Version 1.0. Author: Mike Berro FF70, AM18

**setlace** Program to toggle interlace mode on and off. When used with a black background, and amber or green characters, produces a nice CLI environment. By Bob Pariseau FF9, AM24, AM4, AM1

**SetMouse2** Program to set the mouse port to either the left port or right port. Author: Robert Burns at Commodore-Amiga FF20

**SetNoClick** Very simple program to set the NOCLICK flag in the public section of a trackdisk unit. Only works with version 36 and up of trackdisk device. Includes source. Author: Marc Boucher FF392

**SetPALorNTSC** A couple of utility programs for testing the suitability of a developed program in either the PAL or NTSC environments. With source and a sample program. By Peter Kittel FF162

**setparallel** Allows the CLI user to dynamically change any particular parallel port parameter. Author: Keith Stobie and Tom Pohor FF6, AM4

**SetPrefs** Allows you to build a whole library of preference settings and instantly switch back and forth between them. Affects all preference settings not just the colors. Very useful for machines with multiple users or multiple external devices. Includes Amiga's default and various sample preference settings. Binary only. Author: Martin Hippele FF157, AM18

**SetRamsey** A program that allows you to test the current settings of the RAMSEY ram controller chip on an Amiga 3000 under Kickstart 1.3 or 2.0 and change them if you wish. Useful for hardware debugging to control static column mode burst mode or change the refresh rate. Version 1.50 update to version 1.02 on disk 423. Binary only. Author: Nic Wilson. FF567, FF423

**SetSerial.c** Set the attributes (parity, data bits) of the serial port. C program. AM4

**SetWindow** C program makes windows for a CLI program to run under Workbench in source code and as an executable. AM8

**SF2** File search utility. Default searching starts from the root directory of the specified device and descends down into its subdirectories. Searching includes looking into archive files generated by various compression utilities. Archive files ending with a .ARC, .LHZ, .ZIP and .ZOO are currently supported. Lots of command line options. Requires ARP 1.3 (rev. 39.1). Version 2.00, binary only, shareware. Author: Andrea Suatoni FF400

**SGD** This program makes it possible to delete games, that are saved by any of the existing Sierra adventures (e.g. Leisure suit Larry). The program has a LEARN-option for including new adventures. Version 1.0, binary only. Author: Maico Ditzel FF488

**Sh** Another version of the 'Sh' utility to unshar shell archives. Apparently corrects some problems encountered by similar programs. Until we can get everybody using some sort of 'standard', perhaps if we collect enough of these utilities, we will eventually find one that works with the particular archive we're trying to unshar! Includes source. Author: Jim Guilford FF174

**shades** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ShadowMaker** Demo version of an Intuition based Font shadow generator. In seconds you can convert your favorite fonts into color fonts with professional video shadows built right in. The only restriction for this demo is that the final font height at SAVE times must be less than 40 pixels in height. Version 1.5, an update to version on disk 428. Binary only. Author: Stephen Lebans FF460, FF428

**ShadowMaster** A modular screen saver system for AmigaDOS 2.0. It allows you to choose a saver module to be used at blank time and to build utility modules that may (or may not) choose the actual saver. Version 37.7 includes partial source. Author: Mike Meyer FF597

**ShangaiDemo** Demo version of the Activision game 'Shanghai'. Submitted directly by Activision for inclusion in the library. FF55

**Shapes** Simple color shape designer. ABasiC program. AM1

**shapes** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Shar** Two programs to pack and unpack shell archives on the Amiga. Shell archives are the traditional Usenet method of bundling multiple text files for posting as a unit or for sending via electronic mail. With source in C. By Fabbian G. Dufoe FF92, FF28

**Shared Libraries 'C'** C source and executable code that shows the use of shared libraries. Author: John Baez AC2

**SharedLib** Working example of how to build a shared library. Includes source. Author: James Syng FF79

**SharpFont** is an 8 pixel non-proportional font. FF105

**Shazam** A picture viewer for Dynamic HiRes images created with Macro Paint, the 4096 color high resolution paint program from Lake Forest Logic. Version 1.1, includes two sample Dynamic HiRes images and source for display program. Author: Lake Forest Logic FF449



# Freely Redistributable Software

**SHELL V2.10** Added environment variable support and more. Use ConMan if you want command line editing, I do (it should not be a function of the shell and it isn't in mine). FF168 & 169

**shell** A simple csh style shell with history and some other goodies. Still needs some polishing and enhancement, but is quite nice as it. Thanks Matt!!! We've really needed something like this for a long time. Now if you would just do a ksh version instead...Author: Matt Dillon FF14, AM2

**ShellTimer** A well behaved shell based stopwatch program. Being shell based the timer can be controlled from AmigaDOS scripts from AREXX macros from makefiles or interactively. Requires AmigaDOS 2.04. This is version 1.0. Includes source. Author: John Lindwall FF638

**Shm** A simple graphics demo which approximately simulates the motion of two interacting pendulums. Includes source. Author: Chris Ediss FF97

**ShortCut** A utility that collects keystroke sequences and allows you to replace them with a single key stroke. Binary only. Author: Opher Kahane FF90

**Show** A nice, very small slideshow type program, version 2.1, binary only. Author: Andry Rachmat FF60

**Show** A very versatile program to display IFF ILBM files. Features realtime unpacking scroll, smart analysis of any IFF file, total control over display modes, simple slideshow processing, pattern matching, and a dozen other options. Only 9K. Version 2.0, binary only. Author: Sebastiano Vigna FF323

**Show\_PrintII** Views and prints IFF pictures, including larger than screen. AM22

**showbig** Executable program which will view hi-res pics in low-res superbitmap. Documentation included. AM12

**ShowBiz** A fun animation with mice, a dancing alligator, a sheep on a trampoline, and more. Includes source in 'director format'. Author: Robert Corns FF261

**ShowDisk** A useful program that graphically shows the map of sectors used on floppy drives by one or more files. The mapping is color coded so you can identify what sectors are used by the various directories and files. Includes source in assembly language. Author: Bernhard Meisner FF269

**ShowGadgets** A simple utility to view all gadgets in a window. Includes source. Author: Jorrit Tyberghin FF420

**ShowGuru** Recognizes 168 different guru numbers and translates them to 'human understandable form'. Can also print the result. Version 2.1.b shareware binary only. Author: Thomas Carstens FF562

**ShowHAM** Program to display HAM (Hold And Modify) mode images from the CLI environment. Executable only. FF32, AM7

**ShowILBM**: A program that displays lo-res, hi-res, interlace and HAM IFF pictures. Author: Russell Wallace AC5, AM7

**ShowPrint** A full-feature IFF picture file screen dump utility. Can display and print all sizes of pictures including those larger than the screen. Allows adjustment of printer output in three modes: ASPECT, FULL, and CUSTOM output. Print vertically or horizontally, in B&W, grey scale, or color, etc. Binary only. Author: Brian Conrad FF90, AM16

**ShowPt** CLI program changes your pointer to a given pointer. AM26

**Shuffle** A basic screen shuffler. Re-defines the key combination Left-Amiga-M to push the FRONT screen to the back, instead of pushing the Workbench screen to the back. Includes source. Author: Rob Eisenhuth FF229

**shuttle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM8, AM1

**ShuttleCock** Yet another animation from Eric Schwartz. Eric wanted to see if he could still do an animation that required less than 1 MB to run. Released May 1991. Author: Eric Schwartz FF504

**ShuttlePatch** A shuttle mission patch in an IFF picture. AM6

**SID** A very comprehensive directory utility for the Amiga that supports at least a couple of dozen different commands for operating on files. V1.06, binary only. By Timm Martin FF338

**sign.** This is an updated version of the program released on FF12, and now includes full source. Author: Barry Whitebook @ Commodore-Amiga FF14

**Signal** Two programs designed to make it easy to write shell scripts that must be synchronized with the operation of another, in order to avoid disk thrashing for example. Includes source. Author: Davide Cervone FF500

**SignFont** A keymap and font that will allow the user to be able to type in American Sign Language, provided that one knows the font. Author: Glyn Gowing FF211

**SiliCon** A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is 'Sili(Con:)'. Binary only. By Pete Goodeve FF102

**SiliconSec** A bowling league statistics generator. Teams are ranked by win/loss record & total pins. Tracks team and individual statistics. Absent and 'blind' bowlers floating and team subs easily entered. ABC/WIBC award lists recap forms simple

newsletter article and other options can be generated each week if you want them. A address list phone list mailing labels and end-of-season report meeting ABC/WIBC requirements may be generated any time. Online help with search may be edited by the user. Runs from the Workbench or CLI. One meg required. Version 1.51 binary only. Author: Allen Maroney FF626

**Sim** A simulator for register-transfer nets, which are used to describe hardware systems. This version also provides a compiler to define new devices in addition to Sim's internal devices. V4.2, an update to FF229. Binary only. By Gotz Muller FF291, FF229

**SimCPM** A CP/M simulator for the Amiga. Simulates an 8080 along with H19 terminal emulation. Includes source. This is V2.3, an update to FF109. By Jim Cathey: Amiga port by Charlie Gibbs and Willi Kusche FF186, FF109

**SimGen** This program will add a 2 or 4 color picture to your WorkBench screen. If the picture is digitized, it will look much like a genlock, hence the name SimGen (Simulated Genlock). Binary only. Author: Gregg Tavares FF243

**SimpleReq** An example of a custom requester from Modula-2. AM11

**SimpleRexx** A set of routines that handle the low level AREXX work for you in such a way as to have your application work with or without AREXX on the target system. The goal of SimpleRexx is to make adding at least the minimum level of AREXX support to an application a trivial task. Includes source. Author: Michael Sinz FF539

**SimSmart** A general purpose utility that prints the program source code of almost any language, so that (for example) the keywords are emboldened and underlined, and the comments are italicized. These features are adjustable by the user, to suit individual taste. Tabbing also is adjustable, to harmonize with the nesting depth of a particular program. Output may be either on the printer, the screen, or to another file. SimSmart may easily be extended by the user to deal with extra languages. Version 2.10, shareware, binary only. Author: David Simon FF528

**singlePlayfield** Creates and displays a 320 by 200 by 2 bit plane single playfield display. Completely covers Intuition's display, but gives the system back at exit. Author: Rob Peck FF5

**singplay.c** Single playfield example. C program. AM4

**SIOD** A small scheme interpreter (Scheme In One Defun) which can be used for calculations or included as a command interpreter or extension/macro language in other applications. This is version 2.4. Includes source. Author: George Carrette FF525

**Sit** An update to the SetIcon Type program from FF107. Version 1.10, includes source. Author: Stephen Vermeulen FF137

**sitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Size** CLI program shows the size of a given set of files. Executable program and documentation. AM19

**SizeChecker** Size checker uses a list of possible sizes of a file to check for unexpected changes in the size of those files. For example, it can be used to spot a link virus or to point out changes in the configuration of your system. With the appropriate comments added to your size list, you can check to see what version of the files you are using (1.2, 1.3, 1.4, ARP, etc). Version 1.0, binary only. Author: Roger Fischlin FF244

**Sizzlers** A series of graphics demo programs. Version 1.7.0, binary only. Author: Greg Epley FF90, FF50, AM15

**Skel** A skeleton workbench application that makes writing workbench programs easier. Provides routines for main, initialization and termination, gadget and menu handling, argument processing, help window, about requester, etc. Version 1, includes source. Author: Joel Swank FF304

**sketchpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SkewB** Rubik cube demo in hi-res colors, C program in C source code and executable. AM3

**skewb** Not quite sure what this is supposed to be, it was downloaded from a BBS with no documentation. C'mon folks, at least put a three line description at the start of your programs! Author: Raymond S. Brand FF9

**SkinnyC** Bob Riemersma's example for making small C programs. Source code, executable program, and documentation. AM19

**SKsh** A ksh-like shell for the Amiga. Some of its features include command substitution, shell functions with parameters, aliases, local variables, local functions, local aliases, powerful control

structures and tests, emacs style line editing and history functions, I/O redirection, pipes, large variety of built-in commands, Unix style wildcards, Unix style filename conventions, filename completion, and coexistence with scripts from other shells. Very well documented. Version 1.7, an update to version 1.6 on disk 381. Lots of new features and bug fixes. Binary only. Author: Steve Koren FF489, FF381, FF370, FF342, FF309, FF291

**skysetserial** Allows the CLI user to dynamically change any particular serial port parameter. Author: Keith Stobie and Tom Pohorsky FF6

**SlavicFonts** A whole bunch of new fonts from Robin LaPasha. Version 1.0. Author: Robin LaPasha FF202

**Slicer** A program for creating abstract art based on mathematical functions such as the Mandelbrot set Julia sets and related abstractions (chaotic dynamical systems). Features include fast fixed or floating point arithmetic many different functions many computation options many coloring and rendering options batch mode focus multi pass zoom in zoom out pan and four dimensional navigation. The produced pictures can be thought of as cross sections or 'slices' revealing the insides of solid (if imaginary) objects. Version 2.0 an update to version 1.0 on disk 249. Binary only. Author: Gary Teachout FF634, FF249

**SlideMaster** A slideshow program that can show any IFF ILBM picture, including HAM, extra half bright, hires, interlace, and overscan, using several different wipes. Also has an AREXX port and is fairly small. Version 0.1, binary only. By Aric Caley FF274

**SlideShow** Very nicely done slide-show program written in assembly language. Features forward/backward presentation and creative screen wipes. Currently works only with IFF lo-res pictures. Executable only along with some new IFF pictures to have come my way. Shareware (\$16). Authors: Mike McKittrick and Sheldon Templeton FF151, AM6

**slideshow** Instructional text to produce your own slideshows from the Kaleidoscope disk. AM12

**slot** A slot machine game written in AmigaBASIC. AM11

**SlotCars** A fast action one or two player game of 'dueling' slotcars. Shoot rockets at your opponent and avoid his. Binary only. Author: Brian Moats FF254

**SM** Small utility to center the display. Recorded version of 'ScreenShift' by Anson Mah (Disk 88), only half the size. Includes source. Author: Anson Mah, Lattice V5.04 recoding by Oliver Wagner FF390

**SmallC** An Amiga port of the Small-C compiler, written by Ron Cain and published in Dr. Dobbs' Journal, in about 1980. Small-C is a rather small subset of the full 'C' language. However, it is capable of compiling itself, and other small, useful programs. Requires an assembler and linker to complete the package and produce working executables. Includes source and binary. Author: Ron Cain. Amiga port by Willi Kusche, FF141

**SmallClock** A small digital clock in a window menu bar as a C program. AM8

**SmallLib** A replacement for amiga.lib that is about 8 times smaller. Binary only. Author: Bryce Nesbitt FF92

**SmallPalette** A very short replacement for the WB1.3 'Palette' program using the req.library's color requester. Source in SAS/C included. Public Domain. Author: Stefan Zeiger FF636

**SMan** A Mandelbrot generation program. Uses the mouse to select regions within borders of the Mandelbrot set to zoom up to magnifications of 10\*\*19. Includes math coprocessor support and options to save images as an IFF file. Shows example of assembly programming of extended precision for the 68881. Includes source. Author: David McKinstry FF447

**SmartFields** SmartFields is a replacement for Intuition string gadgets. It allows you to incorporate into your Amiga C programs the powerful editing capabilities often found in mini-computers. Includes full C source and documentation. Author: Timm Martin. FF430

**SmartIcon** This shareware program, submitted by the author, is an Intuition objects iconifier. Version 2.0 is still limited to iconifying windows, which is still very handy. It adds a new 'iconify gadget' to each window, that when clicked on, iconifies the window into an icon in the ram: disk. This is version 2.0. Includes source. By: Gauthier Groult FF316, FF214, FF134

**Smith-Corona D300** Printer driver for the Smith-Corona D300. AM9

**sMOVIE** A smooth scrolling text display, useful for creating video titles, slide show intros, etc. Includes source. Author: Martin Round FF362

**Smus3.6a** An enhanced version of the smus player that last appeared on FF58. Author: John Hodgson FF167

**Smush** Another display hack, feed it an IFF file and see what happens. Binary only. Author: Hobie Orris FF81

**SMUSMIDI** Converts SMUS Files output by Electronic Art's Deluxe Music Construction Set into

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standard MIDI files that can be read by modern sequencing software. Version 1.0, includes sample data files and source in C. Author: Thomas E. Janzen FF537

**SMUSPlay** Amiga Music Player AM23

**SmusPlayers** Two SMUS players, to play SMUS IFF music formatted files. Executables only. Author: John Hodgson FF58

**SNAG Pointers** Results of the Southern Nevada Amiga Groups (SNAG) first animated pointer contest. Authors: Various, pointer animation program by Tim Kemp FF364

**Snake** A variant on the old 'bouncing lines' program, this one uses multiple vertices and Bezier splines. Includes source. Author: KAJBjörke FF89

**SnakePit** A simple, yet addictive game in which you must get the snake (you) off of the screen. There are, however, some rough spots and some obstacles that may need to be overcome. Excellent example of a game that is as system friendly as possible (with source). By: Michael Sinz FF343

**Snap** A tool for clipping text or graphics from the screen, using the clipboard device. Snap finds out character coordinates automatically, handles different fonts, keymaps, accented characters, and more. V1.4, an update to FF274. Includes source. By: Mikael Karlsson FF326, FF274

**Snap** A tool for clipping text or graphics from the screen, using the clipboard device. Snap finds out character coordinates automatically, handles different fonts, keymaps, accented characters, and more. Version 1.62, an update to version 1.4 on disk 326. Includes source. Author: Mikael Karlsson FF524

**SnapShot** A small utility for dumping screens. This one works like POPCLI and stays dormant until you press Ctrl-Esc. Previous release on FF66 did not work with with expansion RAM, this one does. Binary only. Author: Francois Rouaix FF73, FF66

**snare drum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**SnipDemo** Demo version 1.23 of signal processing program sold by Digital Dynamics. Binary only. Author: John Hodgson FF199

**SnipIt** An input handler wedge which allows you to clip text from any window and then paste that text anywhere, as though you had typed it on the keyboard. You mark the text you want to 'snip' using the mouse, and then use the mouse to 'paste' the last snipped text into the active window, requester, or anywhere. Version 1.2, includes source. Author: Scott Evernden FF217

**SnoopDos** A utility for monitoring AmigaDOS calls. In particular, it allows you to see what libraries, devices, fonts, environment variables or startup files a program is looking for. Very useful when you're trying to install a new application. Version 1.2, an update to version 1.0 on disk 388. Includes source in C. Author: Eddy Carroll FF451, FF388

**Snow** AmigaBASIC makes snowflake designs. AM25

**SnowFall** Another program in the long tradition of screen hacks for the amiga. Watch the snow fall, get blown around by the wind, and collect in realistic heaps. With source. By Lars Clausen FF303

**Softballstats** Maintain softball statistics / team records. AM25

**Softfont** Converts portrait soft fonts for HP LaserJet compatible laser printers to landscape format. Includes source. Author: Thomas Lynch FF342, FF327

**SoftLock** A program to help prevent unauthorized access of your bootable hard drive by requiring a password each time you reboot. Has been tested under both AmigaDOS 1.3 and 2.04. This is version 1.0.1 shareware binary only. Author: Allan Baer FF633

**SoftSpan** Soft Span BBS program. Intuitive, command-line based menu system with message bases, uploads, downloads, file credit system, extensive help system, etc. Version 1.1, an update to that on FF343, includes bug fixes and some enhancements. Binary only. Author: Mark Wolfskehl FF374, FF343

**Sol** Amiga version of solitaire game posted to usenet some time ago and modified to use Amiga console control codes in place of curses calls. Includes source. Author: David Goodenough; Amiga port by Joel Swank FF103

**Solitaire** A shareware solitaire game, known widely as Klondike. The rules can be varied, and there are five different ways of working through the deck. Also includes a palette requester to fine tune the colors to your liking and a save-setup function that remembers how all the options are set. This is version 1.8, binary only. Author: Gaylan Wallis FF511

**Solitaire** Two new ABasiC games, Canfield and Klondike. Author: David Addison FF32

**Solitaire** Yet another solitaire game. Nicely done with good graphics and sound. Shareware. Author: Pat Clark FF512

**SolitaireX** A solitaire game. Features include all possible moves shown with a pulsing green box around the card, reshuffle, unlimited undo, and tournament mode. Binary only. Author: Stephen

Orr, Gregory M. Stelmack FF448

**Solve** Linear equation solver in assembly language. Source code, executable program and documentation. AM19

**SonicArranger** Demo version of a music program that supports sampled and synthesized instruments as well as sound and note transposes for patterns. The optimizer can be used to reorganize the internal data structure of a song. SonicArranger allows 254 instruments created from 64 sampleslots 64 synthetic waves adsr's lvo's and sound effects. Can also load and convert noisetracker 2.0 compatible song modules. Version 1.36b binary only. Author: Carsten Schlote FF569

**SonixPeek** A utility to let you list all the instruments used by one or more AegisSonix score files. It can scan individual files, or search one or more directories, checking all score files in each directory. The output is a list of all the instruments you need to have present in order to be able to play the indicated score files. Includes source. Author: Eddy Carroll FF217

**sortc** A quicksort based sort program, using separate driver and sort modules. Originally from a DECUS C distribution. Claims to be fast, but when operating entirely out of RAM takes 93 seconds to sort its input file, sort.c, while AmigaDOS's sort takes only 43 seconds under the same conditions. Author: Dave Conroy, Martin Minow, and Ray Van Tassle FF6

**Sounddemos** Some very nice demos for showing off the incredible audio power of the Amiga! 100% assembly language, make sure you have the stereo connected for these! Author: Foster Hall FF167

**SoundEd** Demo version of an 8SVX sound editing package, written in machine code for optimum speed and minimum size. Can also be used for digitizing with SoundEd or Perfect Sound hardware. Version 1.0, demo, binary only. Author: Howard Dortch and Mike Coriell FF486

**SoundEditor** An 8SVX stereo sound file editor written in assembly language for speed and minimum size. This is V.98, an update to V.80 on disk 355. Many new features including a working digitizer, raw loads, raw mac loads, time markers, rate converters, delay, ramp, filters, scroll, and it will iconify. Binary only. Authors: Howard Dortch, Mike Coriell, Matt Gerald FF416, FF355

**SoundExample** A double buffered sound example for Manx C using 16-bit ints, small code, and small data. Author: Jim Goodnow FF55

**Sounds** Text explanation of Instrument demo sound file format. AM1

**Sozobon-C** AtariST version of what appears to be a full K&R freeware C-compiler, assembler and linker. The compiler main pass and the assembler were compiled and tested on an Amiga A2000 with only minimal changes, and they appear to work (to the extent that they believe they are running on an Atari-ST), so an Amiga port should be relatively easy. By Sozobon, Limited. FF171

**SpaceAceDemo** Shareware shoot-em-up spaceship game. Binary only. Author: Stephen McLeod FF90

**spaceart** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**SpaceLog** A database containing data for all of the man related space missions of the United States and the Soviet Union that were related to the development of manned space flight, from the beginning of the space age to the present (368 missions), listed in chronological order. Includes an AmigaBASIC program to manipulate the database. Version 1.54, binary only. Author: Gene Heitman FF305

**SpaceWar** A two player game with each player controlling a spaceship. The object is to shoot the other player, gaining one point for each kill. The game ends when a player reaches fifty points. Version 1.11, binary only. Author: Jeff Petkau FF420

**Spades** This is an Amiga version of the card game spades. It is a one player version, where the computer plays your partner and two opponents. This is version 1.2, an update to version 1.1 on Disk 392. Includes source in C. Author: Greg Stelmack FF485, FF392

**sparks** Graphics demo that draws a 'moving pathway', adding to the front and removing from the tail (sure is hard to come up with verbal descriptions of these things!) By Scott Ballantyne FF9, AM1

**Spawn** Programmer's document from Commodore Amiga, describes ways to use the Amiga's multitasking capabilities in your own programs. AM15

**Speaker** Speech utility. ABasiC program. AM1

**SpeakerSim** Demo version of SpeakerSim 2.0, a loud-speaker CAD program. Simulates vented (Thiele-Small) and closed box systems. Also simulates 1st, 2nd, and 3rd order high and low pass filters. Binary only. By: Dissidents FF340

**SpeakIt** Speech and narrator demo. ABasiC program. AM1

**speakspeech** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this

program used. FF13

**speaktime** Speaking program which will tell the time. Executable program and documentation. AM12

**Spectrogram** Amiga Spectrogram computes a frequency analysis of any 8 bit audio data file and creates a high resolution color display showing frequency content versus time. Display color is continuously adjustable. This type of display when applied to the human voice has been called a voiceprint. This technique has also been used to analyze sounds of many kinds of animals including birds, dolphins, whales, etc. The audio data file can be replayed at any desired rate, giving a simultaneous audio and visual representation of the sample. A selection of interesting audio samples for analysis by Amiga Spectrogram is included. Version 6.3, binary only. Author: Richard Horne FF543

**speech** Sample speech demo program. Stripped down version of 'speechtoy' Author: Rob Peck FF1

**speechdemo** A simplified version of speechtoy. Also includes exec support functions for extended IO requests, CreateExtIO() to allocate and initialize a new IO request block and DeleteExtIO() to free an extended IO request block By Rob Peck FF5

**speecheasy** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SpeechTerm** Terminal emulator that can speak the received text. Also has XMODEM file transfer. Author: Letheris Koutsofios FF20

**speechtoy** Latest and greatest version of Dave's cute speech demo program. Comes with custom icon so you can be run from a workbench screen. Author: Dave Lucas FF5, FF1, AM4, AM1

**Speed** A performance benchmark useful for comparing Amiga processing speeds. Performs 10000 iterations of some selected groups of 68000 instructions while using the DateStamp time function to record how many ticks it takes to complete. This timed duration is then compared against two known prestored times, one for a stock A2000 Amiga and one for an A2620 enhanced A2000. A relative comparison is calculated and displayed. Version 1.0, includes source in assembly language. Author: Jez San FF237

**SpeedDir** Another faster directory lister type program. This one uses the standard dir utility format for displaying directories. Written in assembler, includes source. Author: Bryce Nesbitt FF75

**Spell** A port of a Unix version of a freely distributable screen oriented, interactive, spelling checker. Update to FF54, with enhancements by Tomas Rokicki. V2.0.02, with source. Author: Pace Willisson; enhancements by Tomas Rokicki FF191, FF13

**SpellCheck** A program which aids you in learning foreign words. You enter the words and their translations and then the computer quizzes you later. Version 1.2 binary only. Author: Torgeir Dingsøyr Pantheon Softwareworks. FF606

**Spelling** simple spelling program in AmigaBASIC. AM8, AM1

**Spew** Program which generates amusing 'National Enquirer' type headlines. Works from a 'rules file' which describes how the headlines are to be constructed. Includes source. Author: Gregory Smith (original by 'mark@pixar') FF69

**sphere** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Spice3** A version of the SPICE3e2 circuit analysis program which has been modified to run on the Amiga. This version is written in C as opposed to the FORTRAN version on disk 278 and includes dynamically allocated memory interactive post-processing and graphical plots. Requires a minimum of 1 MB of memory. Version 3e2. Binary only. Author: Many at UC Berkeley amiga port by Brett Larson FF578

**Spiff** Make controlled approximations between two files. Similar to 'diff' but more versatile. Allows for the handling of numerals as string literals or numeric values with adjustable tolerances. Provides for embedded commands, scriptfiles, and many other command-line parameters. Potentially very useful, but needs some Amiga-specific work. Source and some example files included. Author: Dan Nachbar, Bell Communications Research (BELLCORE) FF172

**Spigot** This ray-traced animation, using overscan HAM and sound effects, is Eric's entry to the 1989 BADGE Killer Demo Contest- it won 6th place. Binary. By Eric J. Fleischer (Dr Gandalf) FF272

**Spin3** Simple program that creates spinning cubes and transforms them into op-art. Example of how to create a double buffered display with color tables that can be changed. Author: Ronald Peterson FF32, AM12

**SpinPointer** While going through some musty archives I found this little gem that got overlooked before. It is a short source module that provides a 'busy' indicator replacement for the standard mouse pointer. Includes source. By Mark Rinfret FF269

**spiral** One of the many basic sample programs from

# Freely Redistributable Software

Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**SpLi** A program for generating spheric lissajous figures. Algorithm taken from 'Spektrum der Wissenschaft'. Version 1.00. Public Domain. Includes C sourcecode. Author: Carsten Raufuß FF584

**Spliner** A spline screen blanker commodity derived from Tom Rokicki's Mackie utility with a programmable pattern change timeout. Binary only. Author: Tom Rokicki and Sebastiano Vigna FF569

**Spliner** A spline screen blanker commodity, derived from the spline code extracted from Tom Rokicki's Mackie and encapsulated into a standard AmigaDOS 2.0 commodity. Binary only. Author: Tom Rokicki, Sebastiano Vigna FF517

**SpLines** Program to demonstrate various curve fitting and rendering techniques. Also includes something unique for the Amiga world, pop-up menus. Includes source. Author: Helene (Lee) Taran FF97

**Spool** The SPOOL system consists of 3 programs: A queue manager, a printer driver, and a SPOOL request program. The SPOOL system demonstrates the power of the Amiga's multitasking abilities in a very practical way. It makes extensive use of Amiga Exec's message passing facilities and list-handling primitives. Version 1.2, includes source. By Tim Holloway FF69

**SpreadSheet** A simple 'Visicalc-like' spreadsheet calculator. Also known as 'vc' but there is currently a debate about whether or not that name is a registered trademark. The version on FF36 was based on an earlier version of the same source. This release also includes source code. Author: James Gosling, Mark Weiser, and Bob Bond Amiga port by Dave Wecker FF53

**Spright** Spright is a sprite making utility. Simple or attached sprites can be saved to a file ready to be added to your program. The colors used with the sprite(s) will also be saved. Version 1.2, binary only. Author: Todd Neumiller FF484

**SpriteClock** A very simple clock that uses a sprite as it's display medium, thus allowing it to be displayed on top of all other screens. Includes source in assembly language. Author: Darrel Schneider FF43

**SpriteEd** Lets you simultaneously edit two sprite pairs to form a double wide sprite image. Suggested \$10 donation. Author: Scott Lamb FF40

**SpriteMaker** Program which lets you paint sprites and then converts data structure to be used in programs. Allows interactive testing of the sprite as a pointer. Suggested shareware donation of \$15 for source code and updates. Author: Ray Larson FF35

**SpriteMasterII** Sprite editor and animator by Brad Kiefer. Executable program and documentation. AM20

**Sproing** Same as Oing but includes sounds of balls colliding with boundaries. Author: Leo Schwab FF33

**SPUDClock** A simple program that uses the narrator device to speak the time at certain user specified intervals. Lots of command line options. Version 1.2, includes source. Authors: Robert E. Beaty and H. Bret Young FF165

**Spy** A program that tracks calls to AmigaDOS and Exec functions, reporting them to the screen, along with their calling parameters and the results. Version 1.0, includes source. Author: Federico Gianni FF369

**Sq.Usq** Portable versions of the CPM sq and usq utilities. Author: R.Greenlaw, many changes by Bill Swan FF51, FF10, AM2

**SrcAnalyzer** Filter/Statistics program which analyzes standard 68000 assembly source code and produces mnemonics statistics while also filtering out all unrecognized lines. Output files can be fed directly to a small barchart display program 'chart' (included). Source to 'chart' SrcAnalyzer binary only. Author: Laurence Vanhelsuwé FF629

**SRegExp** A runtime library of routines for doing wildcard pattern matching and wildcard path matching. It accepts a slight extension of the AmigaDOS wildcard syntax, including a "not" operator and character sets. This is version 11.1, includes source. Author: Jon Spencer FF527

**ST2Amiga** A program to convert Atari ST format relocatable executables to Amiga format relocatable executables, for subsequent loading into the ReSource disassembler and conversion to Amiga. ST2Amiga should also compile and run on an ST. Version 1.1, includes C source. Author: David Campbell FF448

**Stack** is a replacement for the BCPL stack program. Includes some source. Author: Glen McDiarmid and Kirk Davies FF105

**StackWatch** Monitors the stack of any selected task or process 30 times per second and reports the allocated stack, maximum stack used, and current stack used. Version 1.0, binary only. Author: Jim Locker FF494

**Stairs** This AmigaBASIC program demonstrates a musical illusion based upon perceptual circularity of widely spaced tones whose volumes are defined as a sinusoidal relationship to their frequency. Author: Gary Cuba FF121

**Star Destroyer** A hi-res picture of the Empire's Star

Wars starship. AM12

**Star** Three C functions that you can easily incorporate into your programs to draw stars. Includes source. Author: Jason Lowe FF592

**Star Wars** IFF picture of the enemy walkers from the ice planet AM15

**star10** Assembler program, makes star fields like Star Trek intro. In C source code and executable. Documentation included. AM12

**StarBlanker** A screen blanker that replaces your display with a randomly chosen animated starfield. Version 1.00, includes source in Modula-2. Author: Chris Bailey FF308

**StarChart** Nicely done intuition based program to display and identify about 600 stars, galaxies and nebulae visible in the Northern hemisphere. Version 1.2, includes source. Author: Ray R. Larson FF159

**Starflight** An IFF picture. AM6

**StarProbe** Program studies stellar evolution. C source included for Amiga and MS-DOS. In C source code, executable, and documentation. AM18

**Stars** Hobbie's entry for the Badger Killer Demo Contest. Based on original code by Leo Schwab, has credits longer than the actual demo. Runs on 512K Amiga. Binary only. Author: Hobbie Orris FF118, FF33

**StarTerm** Starterm version 3.0. Very nice telecommunications program ASCII and XMODEM support, telephone dialer, function keys, load file stripping, text file conversion, full/half duplex. Author: Jim Nangano Author's suggested shareware donation: \$20 FF30, FF12, AM8

**StartUps** Three replacements for the standard C startup files, Astartup.obj and LStartup.obj. The options include: (1) BothStartup.obj, for WorkBench programs or CLI programs with or without command line parameters, (2) WBSStartup.obj, for WorkBench programs or CLI programs that require no command line parameters, and (3) CLISStartup.obj, for CLI programs that require command line parameters but do not need to be able to be runnable from WorkBench. Includes source. Author: Bryce Nesbitt FF101

**StartupTip** Text file tips on setting up your startup-sequence file. AM9

**Stat** An enhanced version of AmigaDOS 'status' command. AM15

**Statpack** Demo version of a statistics and data manipulation program. Version 3.2, binary only. Author: James Lindsey FF386

**Stats** Program to calculate batting averages. AM15

**StatueOfLiberty** Evening view of the great lady's profile in an IFF picture. AM7

**StdFile** A module that can be linked with any Intuition based program to provide a standard file requestor similar to the one in AmigaDOS 2.0. Even if you use the standard requestor under 2.0, it is useful to have one available for use if you need to run on pre-2.0 systems. Includes source. Author: Jeff Lydiatt and Peter da Silva FF402

**Steal** A program that grabs parts out of a display. It is used to grab parts from Intuition's structures, such as gadgets, menus, and screens. Version 1.1, includes source. Author: Rick van Rein FF541

**StealMemBoot** A small utility designed to be a direct replacement for NoFastMem kind of programs. It modifies the boot block of a disk, so when you boot with it, all memory allocations will return only CHIP memory. Author: Alex Livshits FF150

**steel drum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Steinschlag** A tetris like game (Steinschlag means 'Falling Rock') submitted by the author. This is version 1.8, Binary. By Peter Handel FF238, FF221

**STEmulator** Turns your Amiga into an Atari ST (sort of). Be sure to read the README file for the true story. By David Addison FF43

**StereoDemo** A demo of stereoscopic graphics, written in assembly language. Requires red/green stereo glasses to view. Includes sources. Author: David M. McKinstry FF206

**Stevie** A public domain clone of the UNIX 'vi' editor. Supports window-sizing, arrow keys, and the help key. This is V3.7a, an update to FF217. Changes include the addition of ARP wildcard expansion for file names, support for the 'lcmd' feature of vi, other small enhancements, and some bug fixes. Includes source. Author: Various, Amiga work by G. R. (Fred) Walter FF256, FF217, FF197, FF166

**StillStore** A program designed for freelance, corporate, and broadcast television. It loads and displays IFF images of any resolution interchangeably from a list file or as inputted directly (i.e. random access). The user may easily skip forward or backward one or more pictures in the list. A 'generic' display is always just a few seconds away. The program can be used 'on air' with no concern that a pull down menu will suddenly appear in the viewable area. It also provides for a precise cue for changing windows or screens. While the main purpose is to load 'news windows' of 1/4 screen size, StillStore can also handle full-sized and overscanned images. Also includes slide show modes and a screen positioning feature. StillStore is written in the Director language from the Right Answers Group. This is version 1.2.1, an update to

version 1.2 on disk 317. Binary only, source available from authors. Author: R. J. (Dick) Bourne and Richard Murray FF454, FF317

**Stitchery** This shareware program loads in IFF images and creates charted patterns from them for use in counted cross-stitch and other forms of needlework. It requires one megabyte of memory to run, and works best with a good high-resolution printer for printing the patterns. The Stitchery was written with The Director and the Projector is included. Version 1.21. Author: Bradley W. Schenck FF350

**Stock-Portfolio** A program to organize and track investments, music libraries, mailing lists, etc. in AmigaBASIC. Author: G. L. Penrose. AC11

**StockBroker** A program that helps you follow the recent table of exchange from one (or more) share(s). But of course you must tell the Amiga the recent table of exchange every day. Requires AmigaBASIC. Binary only. Author: Michael Hanelt FF343

**StopWatch** A program to time events including intermediate events with an overall accuracy of about 250 milliseconds (since the timing events are registered by human interaction). Version 1.0 binary only. Author: Joe Rattz Jr. FF583

**StopWatch** A stop watch application with the precision of one millisecond (variable) which scans the joystick button. Full multitasking capability and intuition interfacing additional display screen for genlock output AREXX port for parameter/result handling and screen manipulations. Written in Modula 2 and assembly language. This is version 3.0S an update to version 2.0 on disk 466. Binary only. Author: Christian Danner FF581, FF466

**STReplay** A shared library which allows loading and playing of SoundTracker modules, even from high level languages like Basic or C, without any special effort. Includes source. Author: Oliver Wagner FF258

**String, Boolean** C programs and executables for Harriet Maybeck Tolly's Intuition tutorials. In C source code, executable program, and documentation. AM19

**StringLib** A public domain reimplement of the UNIX string library functions. Author: Henry Spencer @ U of Toronto FF29

**Strings** A simple utility with command-line options for locating strings in a binary file. V 1.0, includes source. By Joel Swank FF174

**StripANSI** Removes all ANSI codes from a text file so that only the bare text remains. It is useful for editing terminal program capture buffers. Two versions are provided: one for the command line (CLI) and one with a full Intuition interface. The Intuition version includes the ability to selective strip certain ANSI codes and generates a complete report. This is version 1.0 and includes full source in C. Author: Syd Bolton FF581

**strip** Strips comments and extraneous whitespaces from C source files. Useful for compacting the C header files to increase usable disk space. Author: Chris Metcalf FF6

**StripCR** This little program just makes a text file ready for use with AmigaDOS, with only LineFeed characters (LF) to mark the end of a line. If you feed it a file with ONLY Carriage Return characters (CR), (from a Macintosh for example) it will replace them with the LF character and, if the file requires no changes, then it does not get changed, includes source in assembly. by: Bill Nelson FF237

**striper** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**StripLF** Completes the set of StripCR and PlusCR. It will change an LF only file into a CR only file. If used in combination with StripCR and PlusCR, it completes a text file conversion system, includes source in assembly. Author: Bill Nelson FF237

**STScan** A utility program for using a Siemens ST 400 SCSI flatbed scanner with the Amiga. Can be adapted to other scanners and serves as an example of SCSI-direct access to SCSI devices. Version 2.0 an update to version 1.0 on disk 560. New features include image processing and vectorization functions that can be used without any scanner. Includes source in C. Author: Frank-Christian Kruegel FF609, FF560

**STSLib** Blink compatible library required to recompile PrLabel. This library supplies gadtools-like 3D look gadgets (including check boxes radio buttons and cycle gadgets) and menus whose layout will be adjusted for different default screen text fonts under AmigaDOS V2.0. Version 1.0 link library only. Source and documentation available from the author for a fee. Author: Andrew Martin SciTech Software FF599

**Stuffer** MIDI Utility to construct and transmit any type of MIDI message. Message building can be done via mouse or keyboard in hex decimal or mnemonic form. Supports standard MIDI files and Roland SYSEX checksumming. Version 0.9b binary only.

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Last Minute Additions

Author: Laurence Vanhelsuwe FF626

**STV** Simple text viewer with mouse and keyboard scrolling, text search, and hooks to be launched onto custom screens. Works great under both Workbench v1.3 and v2.0 from the CLI or icon. Version 1.00a, includes full C source. Author: Timm Martin. FF427

**SubAttack** A 'shoot the ships' type of game based on an old arcade game where you have to fire your torpedos at the right time so that they strike a ship as the ships move across the screen. This is version 1.0 shareware binary only. Written in compiled AMOS. Full source available from author. Requires 1Mb or more of memory. Author: Perry Rosenboom FF554

**Subscripts** Ivan Smith's AmigaBASIC subscript example. In C source code and documentation. AM19

**Sugar** A HAM picture of a blond girl FF72

**SugarPlum** Plays "The Dance of the Sugarplum Fairies". ABASIC program. AM1

**SunMaze** The 3d maze demo from disk 171, now expanded with shadows in the corridors to give more sense of direction. Includes source. Author: Werner Gunther, Shadows by Dirk Reisig FF255

**SunMouse** Makes your mouse behave like the Sun Microsystems Sunwindows mouse. You no longer have to 'click' in a window to make it active. Just move the mouse pointer into the window and start typing. Version 1.0, binary only. By Scott Evernden FF65

**Super Bitmaps in BASIC:** Holding a graphics display larger than the monitor screen. Author: Jason Cahill AC9

**SuperBitMap** An example program that shows how to use ScrollLayer, how to sync the SuperBitMap prior to printing, and how to create a dummy rasterport for dumping the SuperBitMap. Works under 1.2 and up. Author: Carolyn Scheppner and Phil Lindsay FF28

**SuperDuper** A very fast disk copier and formatter. Can make up to four unverified copies from a ram buffer in 36 seconds. Verified copies from a ram buffer take 67 seconds for one destination drive plus 34 seconds for each additional destination. This is version 2.01 an update to version 2.0 on disk 561.

Now includes a program to fine tune some fields in the trackdisk device and a 'no click' type program. Binary only. Author: Sebastiano Vigna FF590, FF561, FF488

**SuperEcho** A neat program to be used with Perfect Sound-like audio digitizers that generates LIVE audio effects, including Echos, Deep Voice, Squeaky Voice, Many People, M-M-Max Headroom and much more. Binary only. Author: Kevin Kelm FF300

**SuperLines** A new lines demo with a realtime control panel that you can use to change various aspects of the action. Has 10 built in color palettes, support for things like color 'smudge', color cycling, color 'bounce', multiple resolutions, and can display either lines or boxes. Version 1.0, binary. By Chris Bailey FF243

**SuperLock** A very flexible security program that can lock any or all of the devices present in the system making access to them impossible. It can also optionally lock the keyboard and the mouse. Version 1.01. Requires arp.library. Binary only. Author: Jonathan Potter FF583

**SuperMenu** An information display system you can use to quickly and easily display text files (and sections of text files) with the press of a button. Version 2.0, shareware, binary only. Author: Paul Thomas Miller FF368, FF297

**Supermort** A general compounding/amortization routine, using the intuition environment, which can be used for mortgage/loan computations. Binary only. Author: Mark Schretlen FF59

**superpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SuperPlay** A versatile sound playing utility, that will play any file, with user definable volume and speed. Will also play files randomly from a list. Binary only. Author: Jonathan Potter FF412

**SuperRetLab** Prints return address labels 3-up on single-wide 3.5 inch by 7/16" inch label stock. Can print up to 5 lines per label. Version 1.1, includes source. Author: Joel Swank FF304

**Superspell** A global spelling checker that checks your spelling no matter what program you are typing under. Can be used to check spelling when typing on a BBS in a text editor or anywhere else. Comes with a 9000 word dictionary which you can edit add to or replace completely. Version 1.1 binary only. Author: Jonathan Potter FF583

**SuperView** A shareware file-viewer that displays all types of IFF files with many features like: Workbench support, all display modes, auto overscan, color cycle (CRNG, CCRT), AmigaBasic ACBM files, first cell in and ANIM file, Type 5 animations and more. Written in assembly, pure code for residency under 1.3. Version 3.0, binary only. Author: David Grothe FF367

**Suplib** The support library needed to rebuild various

programs of Matt's from the source, including Dme, DMouse, etc. Update to FF169. Source. By: Matt Dillon FF258, FF168 & 169, FF126

**suprsh** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Surf** Generates bezier surfaces of revolution. Will produce some amazing pictures of wineglasses, door-knobs, or other objects one could turn on a lathe. Includes the capacity to map IFF image files onto any surface that it can draw. This is version 2.0. Changes include support for data file formats that can be translated to input files for various 3D modeling programs, an increase in the number of grey shades available, and the capability of modifying the endpoints of segments. Source included. Author: Eric Davies FF315, FF170

**Surveyor** A little utility that opens a window on the current screen and displays information about the pointer. Allows for absolute or relative measurement between two points on the screen. Very handy for precise positioning of icons and such. Includes source. Author: Dirk Reisig FF151

**SVprintf** UNIX system V compatible printf(). Assembler AM2

**SVTools** Some additional useful tools from Stephen Vermeulen. Includes a new version of Vnews, sit, setstack, retool, memlist, fragit, and yoyo. Includes source. By Stephen Vermeulen FF107

**SwapName** A variant on the rename command that instead swaps the names of two files. Binary only. Author: Jonathan Potter FF412

**sweep.c** Sound synthesis example. C program. AM5

**sWindows** A program that allows you to use the title of a window to specify the screen on which the window will appear. This provides a method of opening CON: and RAW: windows on screens other than the WorkBench, for example. Includes source. Author: Davide Cervone FF500

**Swish** A small simple screen hack that pushes the screen around using the view port, and simulates a floating motion. Binary only, source available from author. Author: Patrick Evans FF448

**switch** A pachinko-like game written in AmigaBASIC. AM11

**Sword** Sword of Fallen Angel. Text adventure game written in AmigaBASIC. Author: Andry Rachmat FF32

**Synchronicity:** Right and left brain lateralization. Author: John Iovine AC10

**Synthemania** An interesting, very small (and very persistent!) musical piece. If you plan on stopping it without using three fingers, you better read the document file first! Binary only. Author: Holger Lubitz FF153

**Synthesizer** A sound program in AmigaBASIC. AM9

**SynthSong** A song created using the freely-distributable program MED V.3.00. Although quite small (63k) on disk, this one expands in memory once loaded, lasting almost 65 minutes. Player program Author: Alex Van Starrex FF521

**SYNWORKS** A graphics oriented environment for design, training and test of neural networks. The enclosed version is public domain and supports only three network models. Not all options are available but this version provides the most important features to allow users to decide if neural networks are an appropriate solution for their problems. Binary only. Author: Michael Kaiser FF510

**Sys** A game built on the addictive game PONGO but with several added features. You have been assigned the demanding task of cleaning viruses from your SYSOP's hard disk. To kill a virus, you simply kick a disk at it. There are fifty different levels, and on each level, the speed will increase and the viruses will be smarter and start to hunt you. V2.10, binary only. By: Anders Bjerin FF336

**SysInfo** A program which reports interesting information about the configuration of your machine including some speed comparisons with other configurations versions of the OS software etc. This program has been very popular with many users and has been fully updated to include many new functions. This is version 2.62 an update to version 2.60 on disk 619. Binary only. Author: Nic Wilson FF625, FF619, FF583, FF571, FF565, FF553

**SysInfo** A program which reports interesting information about the configuration of your machine, including some speed comparisons with other configurations, versions of the OS software, etc. Version 2.22, an update to version 1.98 on disk 433. Binary only. Author: Nic Wilson FF502, FF433, FF420, FF368

**System config** File makes screen 80 columns wide of text in the Scribble! word processor. AM26

**SystemTracer** A tool to view and manipulate various AmigaDOS 1.2 and 1.3 system structures. Version 1.0, includes source. Author: Guido Burkard FF422

**T.Rex** A tyrannosaurus rex in an IFF picture. AM6

**T3E** Converts any text file to an executable. The resulting program will only have a minimum of bytes appended (94 bytes for hunk structure and

display-program). The text file is not limited by the size. Freeware, with source in C. Author: Garry Glendown FF521

**Tab** A tablature writing program for the Amiga, with inStruments for a banjo and a string guitar. Binary. By Jeff deRienzo FF145

**Tabu** Quarter inch cartridge (QIC) tape backup utility. Works with Microbotics HardFrame. May work with other controllers as well (untested). Includes source. Author: Roy C. Sigsbey FF450

**TACL** An adventure player for games written with The Adventure Construction Language, a commercial computer language. Includes two sample games; one is text-only and the other is text-graphic. Binary only, plus the TACL source code that was used to write the graphic adventure. Author: Kevin Kelm and Rhett Rodewald FF300

**TagBBS** Version 1.02 of a shareware BBS system. Suggested shareware donation is \$25. Binary only. By Patrick Hughes FF66

**talk** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Tank** This is Vincent's entry for the First Annual Badge Killer Demo Contest. It is an animation of a 'fishtank simulator', with sound effects and a cute twist. Binary. By Vincent H. Lee FF200

**TAPDemo** Tumble Axis Processor is a Sculpt utility with several functions, including automatically aligning a path's tumble axes so that an object following that path will always face the direction of travel, and production of an easy to read data list containing the location of each node and the orientation of each of its tumble axes. This is a fully functional version except that it will not function on paths with more than 15 nodes. Binary only. Author: Martin Koistinen FF524

**TapeCover** TapeCover prints out those little paper inserts for cassette tape cases. It lets you enter the name of the songs, and the title of each side. It should work on any printer that can print in that semi-condensed mode. Version 1.0, includes source in C. Author: Greg Pringle FF498

**Tar** A port of a UNIX tar clone that can work with the TAPE: handler (also on this disk) to read and write UNIX tar compatible tapes. Includes source. Author: John Gilmore, FSF, Jonathan Hue, et. al. FF445

**Target** A little program which takes over the mouse pointer and turns it into a gunsight. Pressing the mouse button flashes the pointer and gives a gunshot. Version 1.23, binary only. Author: Matt Fruin and Michael McCarty FF81, AM21

**Tarot** An AmigaBASIC program written by the author as an exercise for learning BASIC. Contains some nice graphic renditions of tarot cards. Author: L.Post FF124

**TarSplit** A port of the OS/9 program that extracts files from UNIX tar archives By James Jones. Amiga version by Mike Meyer. FF53

**Tartan** AmigaBASIC: design Tartan plaids. AM26

**Task** Simple example of how to use CreateTask. Includes source. Author: Carolyn Scheppner FF79

**TaskControl** Nicely done task-handling program allowing you to put to sleep, kill or change priorities of all the currently loaded tasks. Also potentially GURU-producing, so be careful what tasks you kill, change priorities of, etc. Handy window sizer will reduce it almost to an icon to hang around until you want to use it. Binary only. Author: J. Martin Hippele FF159

**TaskPri** A small CLI command that allows you to set task priorities from the command line. Useful for your startup-sequence. AmigaDOS 1.3 and 2.0 compatible. Includes C source. Author: Steve Anderson FF552

**TaskX** A 'real-time' task editor. Lets you list and set the priorities of all the currently running tasks. Binary only, Version 2.0. Author: Steve Tibbett FF158

**TCB** Prints information about tasks and processes in the system; assembler source is included. AM26

**TCL** Port of Tool Command Language, a simple textual language intended primarily for issuing commands to interactive programs such as text editors, debuggers, illustrators, shells, etc. It has a simple syntax and is programmable so TCL users can write command procedures to provide more powerful commands than those in the built in set. Alpha 2 version, binary only. Author: Dr. John Ousterhout, Amiga port by HackerCorp FF447

**TD** A program like 'TrackDisplay' on disk 399 by Olaf Barthel. It monitors and displays the current track for each floppy disk connected to the Amiga. This is version 2.0, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF543, FF483

**TDebug** Monitor a device by intercepting the EXEC SendIO and DoIO vectors. This will give you most of the IO request information for any device. Version 1.00, includes source. Author: Matt Dillon FF74

**TDP** A small trackdisplay program that uses whatever screen is up front. Binary only. Author: Tom Kroener FF479

**TDrow** An easy to use Window Title Bar Pattern

# Freely Redistributable Software

**Editor** for use with TBar. Load, save, test, and edit patterns. Saves script files that can be executed later to change window patterns at anytime (like on boot-up). Includes TRand, a utility to pick a random TBar file so your WorkBench will look different each time you reboot. Version 1.0, binary only. Author: Phil Dietz FF461

**Teacher** Teacher is a short, simple hack. I won't spoil the fun by telling you what it does. With source. By Jonathan Potter FF204

**Technoban** A Sokoban type game written in assembler. Features include 4 worlds with 10 levels each new graphics and sounds in every world 32 colors 5 stereo sounds smooth animation an integrated editor and a code for each level. Version 4.07 binary only. Author: Tim Schattkowsky FF639

**Tek** An enhanced version of Dave Wecker's vt100(v2.6) which includes emulation for a Tektronix 4010/4014 graphics terminal. This is a much improved version of the Tek4010 program from FF52. Includes source. Enhancements by Nick Giordano and Terry Whelan FF108

**Tek4010** A Tek 4010 emulator. Author: Terry Whelan, with changes by Steve Poling FF52

**Tek4695** A Tek4695 printer driver. Binary only. Author: Philip Staub FF87

**Tek4695** A Tektronix 4695/4696 printer driver. Includes source Author: Philip Staub FF96

**TenSpeed** A ten-speed in an IFF picture. AM6

**Term** A giftware telecommunications program written for AmigaOS release 2.x (Kickstart 37.175 and Workbench 37.67 or higher required). Features include total configurability full ARExx control Xpr-transfer support filetype-identification after download cut & paste/point-and-click on screen auto upload and download scrollable review buffer of unlimited size solid and fully-featured VT100/VT220/ANSI emulation optional fast atomic terminal emulation hotkey support powerful phonebook and dialing functions ability to save and print the contents of the screen as IFF-ILBM or ASCII file full overscan and screen resolution support (new ECS screen modes included) asynchronous operation and a lot more. Comes with seven Xpr-transfer libraries (ascii jmodem kermi quick xmodem ymodem & zmodem) and documentation both in German and in English. This is version 1.9c an update to version 1.8a on disk 534. Includes full source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF589, FF534

**termcap** A (mostly) UNIX compatible implementation of a termcap library. First ever public release. Author: Fred Fish FF14

**TermII** A telecommunication program with some nice features including an ARExx Port external process communications XPR support programmable function keys postscript downloading to laser printers phone book programmable panel buttons public screen support etc. Documentation in English and in French. Needs Workbench 2.0. Version 1.1 binary only (some examples in C). Author: Eric Gontier FF576

**terminal** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Terminator** A virus protection program. By Russell Wallace AC5

**termLite** A tiny, almost brain dead telecommunication program written for AmigaOS release 2.x. Can be made resident, supports cut & paste from console window, written as a simple interface to the serial/parallel device driver. Version 1.0, includes source in 'C'. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**TermPlus** Yet another variant of Michael Mournier's AmigaTerm program. This one includes improved ASCII capture, CRC and checksum xmodem protocol transfers, CompuServe B-protocol transfers, a phone library, function key support, and limited AmigaDOS functions. Enhancements by Bob Rakosky FF33

**termtest** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Terrain3D** Program which demonstrates generation of good looking pseudo-random scenery. This version is a derivative of 'sc' distributed on disk 87, but now displays terrain in 3D relief. Includes source. By Chris Gray; 3D version by Howard Hull FF94

**Terrain** Program which demonstrates generation of good looking pseudo-random scenery. Includes source in Draco. Author: Chris Gray FF61

**TES** 'The Electronic Slave' adds a gadget strip to the top of the cli window to perform such functions as device directories, info, run ED, and time. Currently, assignments are hardcoded but not difficult to change if you own a compiler. Version 1.1, includes source. Author: Joerg Anslk FF162

**Tetrix** A addictive game of speed, skill and luck. Based

on a game originally called Tetris. The object is to fit together oddly grouped falling blocks to create a solid wall, which is then cleared from the bottom up. Sounds simple enough right? Sure...! Shareware, Version 1.1, Binary only. Author: David Corbin FF173

**TeX** A complete source and binary distribution of TeX version 3.1 and MetaFont version 2.7 for 68020/030 with FPU. Because of it's size it's distributed on six disks (611-616) in archived form. Does not include any pk-fonts previewer or device drivers. Author: Donald Knuth et. al. Amiga port by Edmund Mergl FF611-616

**TeXDDemo** A demo version of TeX, ported to the Amiga by Tomas Rokicki. I have added 'less' to read the text files. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using xcopy, which preserves the file dates. This insures that disk fragmentation is kept to a minimum. In order to make room for the files I have added, I have compressed the file TeX/inputs/amigatex.tex using a version of compress (compress.b13) that should run on any standard 512K amiga. This version of compress is found in c/compress.b13. To recover the original file, execute the commands: cd AmigaLibDisk83:TeX/inputs :c/compress.b13 <amigatex.tex.Z>ram:amigatex.tex -d. Since this is a demo version of Tom's commercial product, it has several limitations that let you get the flavor of the real thing but encourage you to buy the commercial version. These limitations include TeX being limited to processing only small files, the previewer being limited to displaying ten pages or less, and only a small number of fonts being provided. The full version of AmigaTeX comes on eight floppies and will handle larger documents than most mainframe versions of TeX. See the tex/README file for further info.-Fred FF83

**TeXF** A selection of 78 TeX fonts, with a conversion program to convert them to Amiga fonts. There are 22 different fonts at various sizes, ranging from 15 pixels high to more than 150 pixels. The conversion program can also be used with the fonts distributed with AmigaTeX, yielding an additional 1000 or so more fonts for use with other Amiga programs. Version 2.5, binary only. Author: Ali Ozer FF135

**TeXify** A package of ARExx scripts, for CygnusEd users, which allows total control of AmigaTeX from within CED. This is version 1.10e, binary only. Author: Wolf Faust FF458

**text.demo** Sample program that asks AvailFonts() to make a list of the fonts that are available, then opens a window and then prints a description of the various attributes that can be applied to the fonts, in the font itself. Previous versions were released as 'whichfont'. Author: Rob Peck FF5

**TextDisplay** A text display program, like 'more' or 'less', but about half the size and handles all screen formats (pal/ntsc, interlace/non-interlace, etc). Binary only. Author: Roger Fischlin FF244, FF188

**TextPaint** Version 0.97 of the Ansi editor. Several significant enhancements and bug fixes since the release of version 0.90 on FF346. Features include possibility to reload ansi files or CLI modules, 4 color option, optimized keyboard layout, new drawing modes, right mouse button support (like DeluxePaint) and much more. Binary only. Author: Oliver Wagner FF361, FF346

**TextPlus** A word processor for the Amiga, with both German and English versions. This is version 3.0, an update to version 2.2E on disk 465. New features include the ability to print footnotes and serial letters, multiple windows, an ARExx-interface with 120 commands, powerful block-operations, ANSI-compatibility, ability to load files crunched by PowerPacker, etc. Shareware, binary only. Author: Martin Steppeler FF484, FF465, FF375, FF359

**Textra** This easy-to-use text editor allows multiple windows, and provides a simple mouse driven interface. Those familiar with the 'Macintosh style' editors will be comfortable with Textra's Cut, Copy and Paste commands. Standalone image. Documentation included. No source code. Author: Mike Haa FF239

**Texts** An article on long-persistence phosphor monitors, tips on making brushes of odd shapes in Deluxe Paint, and recommendations on icon interfaces from Commodore-Amiga. AM14

**TextStat** An extended 'wc' (word count) program. It has all features of the SAS/C 'wc' plus the ability to count the frequency of ASCII characters alphabetical characters and many other things in a text. Version 1.10. Freeware. Sourcecode included. Author: Stefan Zeiger FF584

**TG** No system without a graphical user interface is complete without an 'Eyes' program. Includes source. Author: Thomas Geib FF548

**Thai** A simple Thai quiz program developed by the author while he was learning the Thai language. It loads complete Thai sentences and words from a supplied file. If you click on the sentence or word gadget the program will pick a random sentence/word. You then click on the Thai/Speak/Phonetic/English gadget to display that version (or speak it).

Includes source. Author: Alan Kent FF98

**The KickPlay Dir** Several texts that describe several patches to the Kickstart disk. For Amiga 1000 hackers who feel comfortable patching a disk in hexadecimal, KickPlay offers the chance to automatically do an ADDMEM for old expansion memory, as well as the ability to change the picture of the 'Insert Workbench'. AM25

**TheA64Package** A comprehensive emulator/utility package to assist Commodore 64 users in upgrading to the Amiga. This package compares to or surpasses the commercially available packages of the same nature. Many of the utilities require a hardware interface that allows the Amiga to access C64 peripherals such as disk drives and printers. The hardware interface available from QuesTronix. This is version 2.0 an update to version 1.0 on disk 379 and includes many new features. Binary only. Author: Cliff Dugan QuesTronix FF555, FF379

**TheDatingGame** A very well done animation by Eric Schwartz. This is Eric's biggest animation project to date. The animation lasts nearly 4 minutes and requires 3 MB of RAM to run. Flip the Frog has all kinds of trouble getting to the house of his girlfriend, Clarisse Cat. This cartoon animation follows the style of the short theatrical cartoons of earlier days. The animation unpacks to two floppies. Shareware. Author: Eric Schwartz FF505

**TheGallows** A hangman type game with over 3000 words. The objective of the game is to fill in the blanks and guess the word before the prisoner is hung after the seventh miss. New words can be added to the list of words to guess up to a maximum of over 9450 words. Version 1.0 shareware binary only. Author: Joe Rattz Jr. FF586

**TheGuru** A program every Amiga fan should have. Puts the guru back in Kickstart 2.0. A comeback you will not want to miss. New features include support for virtual and public screens, editing of phonemes and a full gadtools interface. Version 2.0, an update to version 1.0 on disk 378. Requires AmigaDOS 2.0. Binary only. Author: Nico Francois FF542, FF378

**ThinFonts** Seven fixed width fonts in two designs to get more characters on your screen. Made for usage on hires interlaced screens and A2024 modes. Author: Dirk W. Reisig FF597

**Thinkamania** Playable demo version of a game like the legendary memory game. Includes superb hires graphics and sound effects. Version 2.1, binary only. Author: Th.Schwoeppe/D.Respondek of Z.U.L.U. Softworx FF541

**ThreeDee** 3D function plots. ABASIC program. AM1

**TicTacToe** A simple TicTacToe game. Binary only. Author: Jonathan Potter FF412

**tictactoe** The classic game written in AmigaBASIC. AM11

**Tiles** A basic tile game like Shanghai or GunShy. A board is covered with a set of 144 tiles, 36 different sets of 4 identical tiles, each with a picture on it. The object is to remove all the tiles, 2 at a time, by matching identical tiles. Version 2.1, includes source in Modula II. Author: Todd Lewis FF241

**Tilt** Another of Leo's cute little toys. This one makes your Amiga look like it didn't pass Commodore's vibration testing. Author: Leo Schwab FF54

**Time Out!** Accessing the Amiga's system timer device via Modula-2. Author: Mark Cashman AC11

**timedely.c** sSimple timer demo. C program. AM4

**timer** Creates a small window containing a timer. Version 1.5, binary only. Author: Bill Beogelein FF90

**Timer** The timer device made easy! Example of how to create both synchronous and asynchronous waits. Includes a sample C program, a detailed technical discussion, and modules that you can plug in to your C programs. Author: Timm Martin FF429

**timr** Simple timer example program. Includes dynamic allocation of data structures needed to communicate with the timer device, as well as the actual device IO. Author: Rob Peck FF5

**timer.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**timer.c** Exec support timer functions. C program. AM4

**TimeRAM** A program to test the access speeds of Fast and Chip RAM. Binary only. Author: Bruce Takahashi FF96

**TimeSet** Handy little utility to set the system time from the workbench environment, without resorting to preferences. Binary only. Author: Unknown (DEH?) FF71, AM9

**timtest** Working example to show the time() and gmtime() functions of the Lattice C support library. Includes source in C. Author: Oliver Wagner FF346

**timstuf.c** More exec support timer functions. C program. AM4

**TinyProlog** VT-PROLOG is a simple prolog interpreter provided with full source code to encourage experimentation with the PROLOG language and implementations. Version 1.1, includes source. Author: Bill and Bev Thompson FF145

**TitleGen** A simple script language program for generating vertically crawling title sequences in any font

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Last Minute Additions

and up to 500 lines long. Good for video production. Version 1.6, binary only. Author: Kevin Kelm FF300

**TitlePage** Prints banner-type title pages for identifying listings. Lots of command-line options for specifying various fonts, pitches, types, styles, selectable centering, etc. Includes source. Author: Joel Swank FF174

**TKEd** TKEd is a very comfortable Intuition-based ASCII editor. It can read texts packed with PowerPacker has user-definable menus a comfortable AREXX-interface with 79 commands an interface to some error tools for programmers and macros. TKEd is reentrant and can be made resident. Version 1.00a binary only. Author: Tom Kroener FF620

**TLog** An intuition based program that records statistics to monitor athletic training progress. Maintains a daily record of distance, time, heart rate, weight and temperature. Links a text file with the record for a free form diary. The AREXX commands provide the basis for generating custom reports from the data base. Sample script allows TLog to automatically get to a scheduler to post reminders of upcoming events. Version 1.0, shareware binary only. Author: Ed Bacon FF514

**TLPatch** A utility to allow corrections in pronunciation for programs that use the Translate() function. It allows you to extract the exception table from the translator library, use a text editor to edit the table, and then restore it back into the library. Version 1.0, includes source. Author: Richard Sheppard FF481

**TMKBP** The Multi-Kickstart Board Project lets you build a Kickstart ROM switcher compatible with the Amiga 500 and Amiga 2000. It will hold up to 3 versions of Kickstart and can be switched between via an external switch. If software does not work under kickstart 2.0 simply flip the switch and reboot under 1.3. It includes full step-by-step documentation as well as schematics and diagrams. This is revision 3.1. Author: Neil Coito and Michael Cianflone FF587

**TMonth** TMonth will execute any program the first time it's executed each month. Very useful, for example, to execute the ATOM- CLOCK program to set your clock each month. Version 1.0f, binary only. Author: George Kerber FF432

**Today** Amiga implementation of IBM PL/1 history program. Tells you important events and birthdays on current or specified day. Command line options include once-per-day setting for startup sequences. Version 0.91, binary only, shareware. Author: David Plummer, data files originally from an IBM VM/CMS version by Mike Butler FF368

**tom** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ToolLib** A shared library containing 45 useful functions for all kinds of programs. There are functions for ports, sorting, gadgets, memory, string, directory and file handling, etc. Version 8.1, an update to version 7.6 on disk 438, includes source. Author: Jan van den Baard FF475, FF438

**ToolLibrary** A shared library for the Amiga. Contains some mathematical (evaluation of strings) and Intuition (menus, requester) functions. Version 2.06, includes source. Author: Rudiger Dreier FF376

**ToolManager** ToolManager is a full featured program to add programs (either WorkBench or CLI) to the tools menu of the 2.x WorkBench. Programs can be added by dragging their icons onto the ToolManager "config" window or the optional ToolManager icon or by editing the config file. Requires Workbench 2.0. This is version 1.4, an update to version 1.3 on disk 476. Includes source. Author: Stefan Becker FF527, FF476, FF442

**ToolManager** ToolManager is a full featured program to add programs (either WorkBench or CLI) to the tools menu of the 2.x WorkBench. Programs can be added by dragging their icons onto the ToolManager 'config' window or the optional ToolManager icon or by editing the config file. Requires Workbench 2.0. This is version 1.5 an update to version 1.4 on disk 527. Includes source. Author: Stefan Becker FF551

**ToolsDaemon** Allows you to run programs simply by selecting a menu item from the tools menu of WorkBench 2.0. Both shell and WorkBench programs are supported including arguments and tool types for both. Version 1.0 binary only. Author: Nico Francois FF561

**ToolTypeWatch** Helps you if you are searching for ToolType-keywords of a certain application. It patches the FindToolType() and the MatchToolValue() functions of the icon.library and records all calls to these functions along with the given arguments. This allows you to discover all keywords supported by an application as ToolTypes. Version 0.7 includes source. Author: Uwe Röhm FF596

**TooMuch3D** This animation is Jim's entry to the 1989

BADGE Killer Demo Contest, where it won 10th place. It is a warning to those of you who spend too much time in front of your computer monitors. Binary only. Author: Jim Robinson FF270

**topography** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Touch** A simple command to set the date of a file to the current date. Uses new supported method of setting a file date stamp (rather than reading and writing back a byte) Author: Phil Lindsay and Andy Finkel FF49

**TownMaze** A program that designs a town-shaped maze like the town "Bard's Tale I" uses. Version 1.2, includes source. Author: Kent Paul Dolan FF529

**toybox** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Tp1Edit** A gadtools template editor that is able to generate standalone C source code and does generate its own surface. This is version 2.00 beta an update to 1.00 on disk 480. Requires AmigaDOS 2.0. Includes source. Author: Matt Dillon enhancements by Koessi FF583

**Tp1Edit** A gadtools template editor. It is able to generate nearly standalone C source code. The program will only run under OS 2.0, Kickstart 37.73 or higher. This is version 1.00 Alpha. Includes source. Author: Matt Dillon FF480

**trackdisk** Demonstrates use of trackdisk driver. Useful example of 'raw' disk read/write. Author: Rob Peck FF5, FF1

**TrackDisplay** A simple program that continuously monitors and displays the current track for each floppy disk. Includes source. Author: Olaf Barthel FF399

**TrackDOS** A program that allows easy transfer of data between DOS memory and trackdisk.device. DOS means the data contained within a file memory means the data contained anywhere within the memory map and trackdisk.device means data stored on a disk not accessible with DOS (eg. bootblocks special loader disks etc.). The transfer of data between these three areas is not normally easy or convenient. TrackDos was written to overcome this. This is version 1.11 an update to version 1.08 on disk 502. Binary only. Author: Nic Wilson FF620, FF502, FF422, FF365

**Tracker** Useful debugging routines similar in function but more versatile to those of 'MemTrace' on FF163. Will track and report on calls to AllocMem(), FreeMem() [or lack thereof!] among others. V0.0a (Alpha release). By Karl Lehenbauer FF181, FF35

**TrackMaster** A small tool to help game developers create selfbooting trackdisk loading gamedisks. Trackmaster uses a script file to process datafiles (join compress relocate special actions). The processed data is written to disk via trackdisk.device. A bootblock for the first datafile which should be a pc-relative loader and a file look up table is created and written to disk. Manual and source included. Version 1.7. Author: Carsten Schlote FF569

**TrackSalve** A Trackdisk patch which removes all known bugs, and one unknown so far, and patches the Trackdisk task to allow various enhancements, such as reading good sectors from partially bad tracks, write verification, write protect simulation, auto motor off, auto update and turning off clicking. Other features are MFm-update and 1/O by non-chip buffers. This is version 1.3, an update of version 1.0 on FF312. Includes source in C and assembler. Author: Dirk Reisig FF355, FF312

**TrackUtils** Two utilities that deal with disk tracks. TCopy copies one or more tracks from one disk to another, and is useful for copying part of a floppy disk into RAD: during bootup. TFile creates a dummy file which 'marks' a specified range of tracks, preventing AmigaDOS from using them and allowing them to be used for raw trackdisk data. Includes C source. Author: Eddy Carroll FF350

**Trails** Cute little program that leaves a trail behind the pointer when the mouse is moved. The trail has programmable symmetry, thickness, and length. The other interesting thing about this program is that it is written in Modula-2 (source provided). Author: Richie Biela FF32

**Train** An electric train construction set game simulation. Shareware, binary only, source available from author. Author: Dennis Saunders FF428

**TrainerMaker** A program that allows you to modify money, number of lives, or high scores of some games. The game to be modified must be capable of multitasking. Version 0.8, binary only. Author: Andreas Ackermann FF532

**translator.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Tree** A very simple directory tree traversal program, written primarily as an aid to creating zoo archives and disk backups. Has options to exclude certain

directories or files with specific extensions. Includes source. Author: Tomas Rokicki FF306

**Tree** Draws a recursive tree (green leafy type, not files). Author: Robert French (original version by W. Balthrop) FF31

**Tree Traversal & Tree Search:** Two common methods for traversing trees. Author: Forest W. Arnold AC10

**Tree4D** Creates 3D branching trees for Sculpt 4D complete with leaves. Many aspects of the shape and design of the trees are modifiable including color and detail level. Objects are output in Sculpt 'scene' format. Full Intuition interface. This is version 1.5 shareware binary only. Author: Bruce Thomson FF586

**Trees and Recursion:** An introduction to binary trees and how to use recursion. Written in C. Author: Forest Arnold. AC7

**Trees** Another 'tree growing' program, similar to the one on FF31, but more extensive. Author: Unknown; Amiga version by Terry Gintz FF49

**trees.o** UNIX compatible tree() function, Assembler program. Object file and documentation provided. AM2

**TreeWalk** A subroutine command for visiting all the files of a subtree of an Amiga file system, testing every file in the specified subtree against a supplied 'filter' expression, and if the file passes through the filter, to issue the specified command with that file as one of the arguments. It is designed to be fast, robust, and not use a lot of any critical resource. Includes both a CLI interface to that routine the form of a find-like utility that uses C expressions instead of Unix-like flags, and a program to tell you if directory trees will fit on a given disk, or how many extra blocks you'll need if they won't. Includes source. Update to version on FF289. Author: Mike Meyer FF352, FF289

**Trek** An excellent shareware Star Trek game. The object of the game is to stay alive, healthy, and maintain the Enterprise in good condition. As Captain of the ship, you must go on missions where you show your common sense and level headedness. An overly cautious Captain will lose his ship as well as a careless or irrational Captain. This distribution unpacks into two almost full disks. Version 1.0, binary only. Author: Tobias Richter FF409

**trek73** A Star Trek game. This one is just crying out to be Amigaized by some ambitious hacker. Authors: Many, see comment in main.c. FF10

**TrekTrivia** Very nice mouse-driven trivia type program for Star Trek fans. Contains 100 questions with additional trivia disks available from the author. Includes selectable skill levels, a cheat mode, and 250K of digitized music. This is version 3.0, an update to version 2.0 on disk 252. Binary only, shareware. Author: George Broussard FF422, FF252, FF180

**Triangle** A game like chinese checkers, consisting of fourteen pawns and one empty hole in a triangular formation. The object of the game is to leave one peg in the original empty hole or have eight pegs on the board and no possible moves. Version 1.1, includes source in BASIC. Author: Russell Mason FF469

**triangle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Tricky** Another of Peter's innovative and addictive games. Sort of a video-bowling concept where the object is to wipe out groups of computerized symbols in such a fashion that the last item hit becomes the target for the next ball (with a few tricks of course!). Lots of levels and the usual level editor that accompanies most of Peter's games. Binary only. by: Peter Handel FF367

**TriClops** Very nice graphics oriented 3D space invasion game. This was previously a commercial product which is being released into the public domain for promotional purposes (they are working on a multiuser, multimachine version) Author: Mark Adams, published by Geodesic Publications FF35

**Triple** 3 demos of some of the Amiga's graphics and sound capabilities. Binary only. by: Tomas Rokicki FF206

**TripleYachtZ** An implementation and variation of the game 'Yacht'. Plays both Single (the standard game) and Triple, which differs from normal Yacht-Z in that all scores in the 3rd column of your scorecard are worth three times as much as the normal value and those in the 2nd are worth double. Version 1.2, binary only, source available from author. Author: Stephan Iannce FF470

**Trippin'** A Workbench game based on an out-of-print board game. The object is a race in which each move you make restricts your opponent's choice of countermoves. Features a computer opponent of adjustable toughness. Includes source. Author: Paul Kienitz. FF429

**Tron** Another game about the lightcycle race sequence in the science fiction computer film Tron. One or two players and other options. Written in



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**GFA-BASIC** and then com- piled. This is version 1.23, an update to version 1.1 on disk 355. Now includes source in GFA-BASIC. Author: Dirk Hasse FF411, FF355

**Tron** Another game based on the lightcycle race sequence in the science fiction computer film 'Tron'. This is version 1.0, unrelated to other Tron releases in the library. Includes source in assembly. Author: Thomas Jansen FF461

**TrueEd** A shareware editor. Version 3.40 binary only. Author: Jurgen Klein FF630

**TSFSuite** A suite of programs to allow use of a Teac SCSI Floppy on the Amiga. Included are programs to set the mode to 12 or 4 Meg [TSFMx] to format to 12 or 4 Meg [TSFFx] a utility that does disk changes for you [TSFADC] and a SCSI exerciser to explore the controllers on the SCSI bus. Source is available upon request. Author: Harvey Taylor FF552

**Tsize** A simple utility to print directory tree sizes. Displays the total size of all files and subdirectories within a given directory. Author: Edmund Burnette FF35

**Tsnp** Very nice 'cut and paste' type utility with lots of uses and functions. Features a pop-up intuition control panel, multiple font and color recognition, clipboard and pipe support and a couple of utility programs. V1.4a, source for support programs only. By John Russell FF179

**TTDDD** Textual TDDD is an ASCII version of Turbo Silver's TDDD object and cell description files. The TDDD format enables users to algorithmically generate objects, scenes, and animations. Includes programs to convert between TDDD and TTDDD formats. Version 1.0, shareware, binary only. Author: Glenn M. Lewis FF420

**TUC** 'The Ultimate Clock'. Another window title clock/memory minder. This one is in 132 columns! Also gives the free memory on drives DF0, DF1 & DF2. Includes source. Author: Joerg Anslk FF159

**Tumbline Tots**: A complete game written in Assembly language. Save the falling babies in this game. Author: David Ashley AC1

**Tunnel** An interesting graphics demo written in TDL-Modula 2. I suggest you don't stare at this too long! Includes source. Author: Garth Thornton FF174

**TunnelVision** Another fine ABASIC game from David Addison. This is a maze game with a 3-D perspective view from inside the maze. Author: David Addison FF36

**Turbo** Opens a small window with a gadget that when selected, turns off bitplane, sprite, copper and audio DMA, presumably to increase system speed. Includes source. By Oliver Wagner FF170

**TurboBackup** A fast mass floppy disk duplicator with enforced verify mode to prevent generation of incorrect copies. Version 1.00, binary only. Author: Steffen Stempel and Martin Kopp FF139

**TurboDEX** A compiler for the DEX language. DEX is a language similar in structure to Modula2 and C but different and simpler in concept. Features include compact and fast executables clear program structure integration of Exec/Dos/Gfx/Intuition library calls in the compiler inline assembly register variables commented assembly source output easy to manage development system and more. Version 1.1 DonationWare. Author: Wouter van oortmerssen FF625

**TurboGIF** Demo version of a very fast GIF viewer, that is three to fifteen times faster than similar programs. Currently TurboGIF produces very high resolution black and white images only. Makes an excellent "GIF previewer" to decide if a particular GIF is worth spending the time converting with one of the other converters. Shareware, version 1.0, binary only. Author: Steve Borden FF544

**TurboLife** An implementation of the cellular automation 'Life'. This is version 3.10 an update to version 2.01 on disk 584 (Wizard- Works2). Shareware US\$ 10. Binary only. Author: Stefan Zeiger FF636, FF584

**TurboMandel** A fast mandelbrot program, written in a mix of C and assembly language. You can select between using floating point or integer calculation. Other features include a full intuition interface, cycling capabilities, extensive color control, a user definable iteration depth, fully implemented zoom, a 3-D display mode, support for extra halfbrite as well as interlace and hires, IFF load and save, accuracy selections, and more. Version 1.0, includes source in assembly and C. Author: Marivoeit Philip FF302

**TurboQuantum** A SCSI bit twiddler program that will set or clear the 'Disable Disconnection' bit in a Quantum drive's 'Control Parameters Mode Page'. Disabling disconnection during data transfers can result in a large performance boost on some systems. Binary only. Author: Ben Fuller FF577

**TurboText** An almost fully operational demonstration copy of a new sophisticated text editor for the Amiga. Features many unique capabilities including

an impressive AREXX interface with over 140 commands available, full outlining abilities, clipboard support, complete reconfigurability, recorded macros, programmer's calculator, emulations of many popular text editors, and much more. This demo version does not allow saving or printing of documents and limits the size of cut and paste operations. Version 1.0, binary only. Author: Martin Taillefer FF445

**TurboTitle** A program created for the purpose of subtitling Japanese animation films and to create a standard Amiga subtitle format. Is perfectly suited for subtitling any foreign film. Version 0.80, an update to version 0.71 on disk 424. Shareware, binary only. Author: Robert Jenks FF530, FF424

**TurboTopaz** Two Text speed up programs like FastFonts. Allows replacement of the Topaz-80 font from both CLI and WorkBench. Includes a program to measure to speed of Text speed up programs. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**TurMite** A two dimensional turing machine simulator. Imagine a small bug crawling around on your computer display moving one pixel at a time. At each step it uses its internal state number and the color of the pixel it's on as indexes into a set of tables to decide what color to change the pixel to, what direction to move, and what its new internal state should be. Includes source. Author: Gary Teachout FF249

**Turn** An interesting board game with the simplicity of checkers yet requiring the move-lookahead of a good chess player. Binary only. Author: Peter Handel FF361

**Turtle** A shared library of 'turtle' functions for drawing in a RastPort. Includes source in assembly and C. Author: Thomas Albers FF321

**Tv\*Text** Demo version of the TV\*Text character generator. AM18

**TX** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**TX81Z** Editor/Librarian for the Yamaha TX81Z and DX11 synthesizers. Provides voice and librarian features similar to the FB-01 Editor/Librarian. Includes a Performance Editor and a Librarian. Version 1.23. Author: James M. Smith FF598

**TxE** Latest demo version of MicroSmiths' text editor, TxE. This is the full production version except that files are limited to 10K bytes in length and the search/replace functions are disabled. Also, demo is based on an older version of TxE, new release has additional features. Author: Charlie Heath FF31, FF20, AM12

**Txt** filters text files from other systems to be read by the Amiga E.C. AM17

**Txt2Exe** This program takes a text file, creating a runnable command which will output the text. Allows various operations to be done on the text. Binary only. Author: Oliver Wagner FF286

**Ty** A text display program based on Amiga 'less' version 1.0. Has both keyboard and mouse control of all functions, an intuition interface, and uses the Amiga specific keys (such as the Help key) correctly. Version 1.3, includes source. Author: Mark Nudelmann, Bob Leivian, Tony Wills FF246

**TypeAndTell** Example program that demonstrates installation of an input device handler before the Intuition one. This example traps all keys typed by the user and pronounces them in real time. Includes source. Author: Giorgio Galeotti FF73

**Typing Tutor**: A program written in AmigaBASIC that will help you improve your typing. Author: Mike Morrison AC6

**TypingTutor**: A simple typing tutor program which measures your typing speed and adjusts the level of difficulty accordingly. Shareware, binary only. Author: William Jordan FF434

**Udate** Udate is a replacement for the AmigaDOS date command, containing many options similar to the UNIX date command. Udate will allow you to set the date and time via prompts or directly from the command line, will display any part of the date or time using the options in any color desired, and will also make an automatic adjustment of your system clock for Daylight Savings Time so your computer will be one less clock you will ever have to set twice a year for DST. Update to version on FF311, this version is slightly smaller and works correctly with the 68030. Version 1.14c, binary only. Author: George Kerber FF365, FF311

**Uedit** A nice shareware editor with learn mode a command language menu customization hypertext online help a teach mode split windows copy and paste undo features. This is version 3.0a an update to version 2.6h on disk 539. Binary only. Author: Rick Stiles FF622, FF539, FF471, FF415, FF286, FF254, FF189, FF173, FF121, FF60

**Uedit-Stuff** A variety of configuration material for Uedit. Includes stuff for remembering multiple chunks of deleted text, interfacing through Rexx with a terminal program, displaying matching (' characters when you press ') , expanding abbreviations into phrases as you type, easily shifting lines and blocks of text left or right,

improvements to several existing Uedit features, and more. Author: Paul Kienitz. FF429

**UeditUpdate** This is a partial update to the 2.5d version of Uedit on disk 286. It includes only the UFS executable, which has had patches d1 through d4 applied. Disk 286 is still needed for a complete Uedit shareware distribution. Binary only. Author: Rick Stiles FF301

**Ueturbo** Example of extensive customization of Uedit to set up a nice development environment. Includes source. Author: Tom Althoff FF60

**Ultra Sonic Ranging System**: BASIC Sonar Ranging program. Author: John Iovine AC13

**UltraF-4** Demo version of a super graphic based floppy format program that can format four floppy disks at the same time and even format disks that other programs give up on. Binary only. Author: Terry Bullard and Signa Bullard FF444

**undelete** Executable program undeletes a file. Documentation included. AM12

**UnHunk** Tool to process the Amiga 'hunk' loadfile format. Collects code, data, and bss hunks together, allows individual specification of code, data, and bss origins, and generates binary file with format reminiscent of UNIX 'a.out' format. The output file can be easily processed by a separate program to produce Motorola 'S-records' suitable for downloading to PROM programmer. Author: Eric Black FF26

**UnIfdef** Useful program for removing ifdef'ed sections from a file while otherwise leaving the file alone. Allows one source to be used as a porting base for many machines, without shipping the entire source to every source customer. (Pre-process for their machine and send them only the source for their specific machine). Author: DaveYost FF35

**Uniq** A text processor which compacts repeated adjacent lines. Intended to be used with a sorted file to print unique lines, or repeated lines. Behaviour and options like UNIX version. Version 1.1, includes source. Author: John Woods, Amiga port by Gary Duncan FF317

**Units** Units conversion program, including a chart option which allows you to create charts of conversions. Nifty. Includes source. Author: Gregory Simpson FF74

**UNIXArc** A version of arc suitable for UNIX System V. Author: System Enhancement Associates FF50

**UnixDir** A program which intercepts calls to dos.library to add the UNIX style '/' and '..' syntax for current and parent directories, respectively, to file and path names. I.E., you can refer to files in the current directory as './foo' and files in the parent directory as '../foo', or any combination of the two. Includes source in assembly. Author: Murray Bennett and Mark Cyster FF321

**UnixUtil** A few CLI utilities, including some functionally similar to the UNIX utilities of the same names. Included are: Wc, Head, Tail, Tee, Detab, Entab, and Trunc. Descriptions are given in the included '.doc' files. By Gary Brant FF179

**UnknownGirl** Another small musical piece similar in execution to 'Synthmania' on FF153. Binary only. By Holger Lubitz FF162

**Unshar** This program extracts files from Unix shar archives. It scores over similar programs by being small and fast, handling extraction of subdirectories, recognising a wide variety of 'sed' and 'cat' shar formats, and handling large files spread across several shar files. This is version 1.3. Includes C source. Author: Eddy Carroll FF345, FF287

**Up&Down** The object of this game is to get four of your chips in a row (across, down, or diagonally) without letting your opponent get his chips in a row first. Binary only. Author: Jason Bauer FF462

**Update** Used to update an older working disk with files from a newly released disk. Files on the older disk that are out of date will be upgraded with files from the new disk. Author: Unknown, downloaded from Software Distillery FF45

**Uranus** An IFF picture. AM6

**Utilities** A group of four little utility programs, Cal, Undelete, DClock and WhereIs. Binary only, see the ReadMe file for a description of each. Author: Dan Schein FF154

**Utis** A group of small utility programs requiring ARP. Du displays the disk space used by a directory, Head displays the first lines of a file and Cookie displays a humorous message. All executables are very small (less than one disk block each). Assembly source is included. Author: Stuart Mitchell FF416

**UUCP** An implementation of uucp for the Amiga, including mail and news. This is Matt's version for the Amiga, based on William Loftus's Amiga UUCP 0.40 release with news code from his 0.60 release, and months of work by Matt to make fixes and add enhancements. This is version 1.13D, an update to version 1.08D on disk 442, and consists of four parts. Parts 1 and 2 are on disk 479, and parts 3 and 4 are on this disk. Includes source. Author: Various, major enhancements by Matt Dillon FF480, FF445 & FF450, FF443 & FF442, FF360, FF313, FF310, FF152

**UUCP** An implementation of uucp for the Amiga, including mail and news. This is Matt's version for the Amiga, based on William Loftus's Amiga UUCP 0.40 release with news code from his 0.60 release,

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and months of work by Matt to make fixes and add enhancements. This is version 1.13D, an update to version 1.08D on disk 442, and consists of four parts. Parts 1 and 2 are on this disk, and parts 3 and 4 are on disk 480. Includes source. Author: Various, major enhancements by Matt Dillon FF479, FF445 & FF450, FF443 & FF442, F360, FF313, FF310, FF152

**UUdecode** Programs to encode/decode binary files for transmittal via mail, or other text-only methods. Binary file is expanded by approximately 35% for transmittal. Author: Mark Horton FF38

**UUencode** Programs to encode/decode binary files for transmittal via mail or other text-only methods. The binary file is expanded by approximately 35% for transmittal. This release is an update to the version on FF53, and includes a simple line-by-line checksum technique that can read and write files compatible with the older uuencode/uuencode, plus a file size test modification that is transparent to older uudecodes. Author: Mark Horton with mods by Alan Rosenthal and Bryce Nesbitt FF92, FF53

**UUpc** Version 1.0 of a suite of programs that will allow you hook up your Amiga as a usenet node. Includes source. Author: Richard Lamb, Stuart Lynne, Jeff Lydiatt FF109

**Uw** UNIX Windows client for the Amiga. Version 1.00, includes source. Author: Michael McInerney FF79

**V** A front-end for Commodore's More or some other text viewer that can be made resident. Can be used from Workbench, greatly reducing disk loading time because V is much smaller than More, which need not be loaded if it is resident. From CLI, causes More to create a new window, specified with an environment variable, rather than using the CLI window. V is itself residentable. Much improved since the version on disk 224, to which it is only distantly related. Includes source in assembly. Author: Paul Kienitz FF429

**v1.1h.txt** Text, 'diff' of include file changes from version 1.0 to 1.1. AM5

**v1.1update** Text. list of new features in version 1.1. AM5

**v11fd.txt** 'diff' of .fd file changes from version 1.0 to 1.1. AM4

**v28v1.diff** 'diff' of include file changes from version 28 to 1.0. AM4

**VacBench** This amusing little screen hack will 'clean up' your WorkBench screen for you when it gets too cluttered! Binary only. By Randy Jouett FF184

**ValSpeak** A filter program which transforms its standard input to 'valspeak' on its standard output. Author: Unknown FF46

**Vampire** Woman Vampire in LoRes FF72

**VAUX-Killer** A very funny animation which won 2nd place in the 1989 BADGE Killer Demo Contest. Because of its size, the demo is split across two disks. Two floppy drives, or a hard disk, are strongly recommended. Binary only. Author: Roger Curren FF265 & 266

**VAXterm** A VT220 terminal emulator that is close to the real VT220 terminal in both supported facilities and user interface. Designed primarily for connection to VAX/VMS, it should work with any host computer with VT220 terminal support. Supports file transferring for ASCII files by means of DCL commands. Version 2.4, includes source. Author: Tuomo Mickelson FF369

**Vc** Visicalc-like spreadsheet calculator program. Author: James Gosling, Amiga port by Peter Hardie FF36

**vc** VisiCalc typespreadsheet, no mouse control. Executable program and documentation. AM14

**VcEd** A Voice (Tone) Editor for the Yamaha 4 Operator series synthesizers. Binary only, source available from author. Author: Chuck Brand FF345

**VCheck** Version 1.2 of the virus detection program from Commodore Amiga Technical Support. This version will test for the presence of a virus in memory, or on specific disks. Binary only. Author: Bill Koester. FF126

**VCLI** Voice Command Line Interface (VCLI) is an Amiga voice recognition program that learns and recognizes 48 spoken voice commands. Each voice command is associated with an Amiga CLI command that is executed when an incoming voice command is recognized. VCLI allows the execution of any Amiga CLI command by voice. Requires the Perfect Sound 3 or Sound Master audio digitizer. This is Version 4.0 an update to version 2.0 on disk 542. Binary only. Author: Richard Horne FF618, FF542

**VDraw1.16** Shareware drawing program submitted by the author. This version uses menus but includes some items not on version 1.19, also on this disk. Drawing program, based on freedraw, but now transformed and enhanced beyond recognition. Draws hollow boxes, filled boxes, freehand sketches, lines, circles, and arcs. Also has area fill, text insertion, 16 different line patterns, predefined area fill patterns, a magnify mode, cut and paste, color inversion, erase, grid pattern, and more. This is version 1.14. This shareware program (suggested \$15 donation) was submitted by the author for inclusion in the library. Author: Stephen Vermeulen FF52, FF38, FF31

**Vdraw1.19** Latest version of Vdraw, with a completely

new iconic user interface, and some other new features including a color palette mixer and DPaint style brushes, extended cutting features, area locking, and a flexible printing interface Author: Stephen Vermeulen FF52

**Vectors** A simple program to test how fast the Amiga can draw lines. Includes two versions, 1.0 and 1.1, each of which performs tests slightly differently. Includes source. Author: Gauthier Groult and Jean Michel Forgeas FF316

**vendors** Older text file of Amiga vendors, names, addresses. AM12

**Venus** An IFF picture. AM6

**Verify** Walks a directory hierarchy reading all files, reporting any files that can't be entirely read. Version 1.2, includes source. Author: Joel Swank FF304

**VerseWise** Gospel (Matthew, Mark, Luke, & John) version 1.0 of a Bible view/output/search program. Opening a resizable window on the Workbench screen, it allows the user to jump to any specific verse, output scripture to a disk file, or find verses containing one or more specific words. It uses the King James Version of the Bible, compressed. Binary only. Author: Bruce Geerdes FF549

**Vertex** A 3D object editor that differs from other 3D editors in many ways. You can choose any view including perspective to select points and examine objects. The view can be rotated positioned and scaled at will by either typed in values or using the mouse which makes the editor fast and responsive. This is version 1.28b shareware binary only. Author: Alexander D. Deburie FF608

**ves copy** protection. Executable program and documentation. AM14

**VGad** A new gadget editor that takes two pictures of the window and its gadgets, one being the normal gadget state and the other being the fully selected state, and then merges the data and converts to C source code. Version 1.0, binary only. Author: Stephen Vermeulen FF137, AC1

**Viacom** Latest version of viacom for use in conjunction with the WaveBench demo. Binary only. Author: Leo Schwab & Bryce Nesbitt FF112, FF84

**vibrophone** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**VideoDat** A very simple databank to store information about your videos. Version 1.2 binary only. Author: Sascha Fengel FF582

**VideoMaxe** A program to manage one's private video tape collection. Both program and documentation are in German; no English version at this time. Version 3.22 an update to version 3.00 on disk 547. Binary only. Author: Stephan Sürken FF637, FF547

**Vidtex** Vidtex displays Compuserve RLE pics in source code and as an executable. AM11

**View** A mouse-oriented text file reader. Sample operation is demonstrated in reading the View.doc file, instead of using the usual 'Less' text file reader. By Bryan Ford FF163, FF58, AM14

**View** A text displayer with many controls and features including searches file requestors jump to editor etc. This is version 1.5 an update to version 1.0 on disk 504 with a few bugs fixed and some new features. Includes source. Author: Jan Van Den Baard FF570

**View** A text displayer with many controls and features including searches, file requestors, jump to editor etc. This is version 1.3, an update to version 1.0 on disk 504. Includes source. Author: Jan Van Den Baard FF547, FF504

**View80** Scrolling text file reader with three scrolling modes controllable via keyboard or mouse. Opens file requestor if no filename is given. Automatically configures screen size for PAL or NTSC machine. Version 2.0, an update to version 1.1 on disk 365. Binary only. Author: Federico Giannici FF488, FF365

**ViewDir** Allows reading the current directory by commanding VIEWDIR ". ". Displays a listing of the specified directory with the total bytes at the bottom and the description of the file types next to each file. Also includes a "version string" to allow a DOS 2.0 VERSION command to read. This is version 2.1 an update to the version on disk 358. Assembler source included. Author: Jim Butterfield FF504, FF358

**Viewer** A very small program for displaying IFF pictures of any resolution. This one is written in assembly code and is only 988 bytes long. Binary only. Author: Mike McKittrick FF199

**Viewer** Displays IFF pictures fast! Version 1.0. Includes source in EZAsm. Author: Joe Siebenmann FF484

**ViewILBM** Reads an ILBM file and displays as a screen/window until closed. Handles normal and HAM ILBM's. Author: Based on ShowILBM, enhanced by Carolyn Scheppner FF 72, FF44

**Vim** Vi Imitation. A clone of the UNIX text editor 'vi'. Very useful for editing programs and other plain ASCII text. Based on Stevie (disk 256) with many enhancements such as multiline undo command line

history improved command line editing full vi compatibility (except Q and zn commands) command typeahead display command to display yank buffers unlimited line length ability to edit binary files file name stack support for Manx QuickFix shows current file name in window title etc. Internal storage structures have been redesigned for optimal speed and memory usage. Version 1.14 includes source. Author: Bram Moolenaar et. al. FF591

**violin** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Virus Check Dir** Several programs relating to the software virus that came to the US from pirates in Europe as detailed in Amazing Computing V2.12. Bill Koester's full explanation of the virus code is included. One program checks for the software virus on a Workbench disk; the second program checks for the virus in memory, which could infect other disks. AM24

**Virus Alert!** Yet another anti-virus program with a twist. Once installed a message is displayed just after a warm or cold boot notifying the user that the disk and memory are virus-free, and forcing a mouse-button press before continuing. Anything writing to the bootblock thereafter will destroy the message and a normal virus-infected boot (???) will take place. Versions 1.01 and 2.01, Binary only. Author: Foster Hall FF154

**VirusChecker** A virus checker that can check memory disk bootblocks and all disk files for signs of most known viruses. Can remember nonstandard bootblocks that you indicate are OK and not bother you about them again. Includes an ARExx port. Version 5.30 binary only. Author: John Veldthuis FF556

**VirusControl** A new virus detection and control program that checks disks during insertion, protects from link viruses, shows bootblock on a screen, periodically checks system vectors, controls access to files with a requester, etc. V1.3, includes full assembly language source code. Author: Pius Nippgen FF211

**VirusUtils** Two programs to detect viruses on disk and in memory. VirusHunter removes all known viruses in memory. Viruskiller removes all known viruses in memory and after removing the viruses the disks can be checked without the virus copying itself to the disks. Version 3.60, binary only. Author: Pieter van Leuven FF331

**VirusX** A boot sector virus check program that runs in the background and automatically checks all inserted disks for a nonstandard boot sector. Such disks can optionally have their boot sector rewritten to remove the virus. Includes source. Author: Steve Tibbett FF137

**VirusX** Version 4.0 of a popular virus detection/vaccination program. This is an update to FF216. Includes a check for the new Xenos virus. Author: Steve Tibbett, Dan James, Jim Meyer FF287, FF216, FF175, FF158, FF154, FF137

**VisaCard** A VISA card in an IFF picture. AM6

**Vlabel** A program to print fancy customized disk labels. It will combine an IFF picture and up to 50 lines of text (which may be placed arbitrarily in any font or point size) and then print the result. The IFF picture can be virtually any size (up to 1008 by 1000). It will also print labels from a batch file produced by SuperBase. Version 1.20, binary only. Author: Stephen Vermeulen FF137

**Vlt** VLT is both a VT100 emulator and a Tektronix (4014 plus subset of 4105) emulator, currently in use at SLAC (Stanford Linear Accelerator Center). Although the VT100 part was originally based on Dave Wecker et al.'s VT100, many enhancements were made. Features include use of ARP, an ARExx port, XM0DEM 1K/CRC and Kermit protocols, support for additional serial ports, external file transfer protocols (XPR), a 'chat' mode, and scrollbar/review/history buffer. It comes in two versions, one with Tektronix emulation, and one without. The Tektronix emulation allows saving IFF files, PostScript files, and printing bitmaps to the printer. This is version 5.034, an update to version 4.846 on disk 410. Binary only. Author: Willy Langeveld FF455, FF410, FF308, FF257, FF245, FF226, FF202

**Vlt** Vlt version 5.045, a partial update to version 5.034 on disk 455. Includes new executables with and without Tektronix emulation, and a new xprscii library. You still need the files from disk 455 to make a complete distribution. Binary only. Author: Willy Langeveld FF468

**VlTimer** A clock/timer window that sticks on the VLT screen (or on the WorkBench if VLT is not running or opened on the WorkBench) to check connection times (and costs). Version 1.02, includes source (SAS-C). Author: Maurizio Loreti FF539

**VMK** What makes this program is its ability to detect new viruses as they come along. Simple quick easy way to stay virus free. Tiny quick and very intelligent memory detector/killer for your startup-sequence. This is V1.10 an update to version 1.0 on disk 510. Binary only. Author: Chris Hames FF568, FF510

**VMore** A shareware program, submitted by the author,

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that is a 'more' like text file viewing utility that can be run on multiple files from either the WorkBench or the CLI. Version 1.00, includes source. Author: Stephen Vermeulen FF85

**Vnews** A simple news file reader, that will read all the news files in a specified directory, optionally starting with a specified file. Includes source. Author: Stephen Vermeulen FF85

**VoiceDemo** Illustrates the programming techniques required to use the voice.library to teach your Amiga to learn and recognize spoken voice commands. A simple program that will teach your Amiga to recognize and repeat back to you the spoken words 'Peter ... Piper ... Picked ... A Peck Of ... Pickled Peppers.' Include example source. Author: Richard Horne FF618

**VoiceFilter** Voice filter program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Author: Jack Deckard FF38

**Vortex** A universal accented character converter for Amiga, IBM-PC, Macintosh, and C64 files written in most west european languages (Danish, Finnish, French, German, Italian, Icelandic, Norwegian, Spanish, Swedish, and more. Works with either ASCII or Word Perfect files. Version 1.5, includes source. Author: Michel Laliberte FF454

**VPG** Video pattern generator for aligning monitors. Executable program and documentation. AM18

**VRTest** Another anti-virus utility that allows visual inspection of RAM starting a \$7E7FE, RAM cleaning, bootblock inspection and vector monitoring/resetting. Written entirely in assembly language. Version 3.2, binary only. Author: Babar Khan FF161

**VScreen** Allows you to have screens that are larger than the actual display area of your monitor. These larger "virtual screens" scroll when you move the mouse off the edge of the visible section of the screen. Currently does not work under AmigaDOS 2.0. Includes source. Author: Davide Cervone FF494

**VSnap** This is an enhanced version of Snap 1.3, submitted by Steve Vermeulen, which adds the ability to save clipped graphics as IFF FORM ILBM's to the clipboard, so they can be imported to other programs that understand IFF and the clipboard. Dubbed it VSnap, since the official 1.4 Snap is also included on this disk. Includes source. By: Mikael Karlsson, enhancements by Steve Vermeulen FF326

**vsprite** VSprite example C code from Commodore, S-E-D. AM12

**VSprites** VSprite example from Rob's book 'Programmers' Guide To The Amiga' Produces 28 VSprites on screen simultaneously, using only three distinct sets of colors. Includes source. Author: Rob Peck FF61

**Vsprites** A working vsprite example. Author: Eric Cotton FF55

**Vt100** A vt100 emulator for the Amiga, which also supports various file transfer protocols like kermi, xmodem, ymodem, zmodem, etc, has an Arexx port, can use custom external protocol modules, and more. This is version 2.9a. Includes source. Author: Dave Wecker, Tony Sumrall, Frank Anthes, and Chuck Forsberg FF330, FF275, FF138, FF114, FF55, FF47, FF41, FF36, FF31, FF29, AM17

**VTek V2.3.1** Tektronix graphics terminal emulator based on the VT-100 prog. V2.3 and contains latest 'arc' file compression. AM17

**VTest** A simple example how to test if the AMIGA is infected by a Virus. It simply checks some vectors in the Exec Base structure and some library routines like DoIO. Version 1.0, includes source. Author: Frank Enderle FF533

**Vitest** Program to test compatibility of vt100-compatible terminals and terminal emulators. Requires the resources of a UNIX system to test an Amiga hosted vt100 emulator. (I haven't yet found one that even comes close to passing this test!). Author: Per Lindberg FF35

**VU** Todor Fay's SoundScape module source code as his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**WackCmds** Text tips on using Wack. AM1

**wailing guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WaitAnyKey** A CLI command which will wait until the user presses any key. Useful for batch files, to pause until any key is struck. Version 1.00, includes source in assembly. Author: Roger Fischlin FF437

**Wanderer** A neat little game with graphics and sound, ported from the Unix version, originally written on a Sun workstation. The idea for Wanderer came from games such as Boulderdash, Xor, and the Repton games from Superior Software. Includes a builtin editor for extending the game by adding additional screens. V2.2, includes source. Author: Steven Shipway and others. Amiga port by Alan Bland FF216

**Warp Speed** A program that will present you with an animated view out the window at a vehicle moving at 'Warp Speed.' This program was developed as a C language learning tool by the author. Version 1.0 includes all source. Author: Doug Peterscak FF557

**WarpText** Fast text rendering routines, to be linked with application programs. Reported to be able to display text as fast or faster than, 'blitz'. This is an update to the version released on FF87. Version 2.0, includes source. Author: Bill Kelly FF96, FF87

**WarpUtil** Warp (version 1.11), UnWarp (version 1.0), and WarpSplit (version 1.1). Warp reads raw filesystems and archives them into a compressed version in a normal file. UnWarp turns them back into filesystems. WarpSplit splits them up into smaller pieces on a track by track basis. Binary only. Author: SDS Software FF243

**WArranger** Sends a window, identified by its name, to the front or to the back, without selecting it. Useful in conjunction with AmiCron. Works on all screens. Includes source in assembler. Author: Heiko Rath FF139

**WatchMan** A little screen hack inspired by 'EyeCon' on Sun systems. Includes source. Author: Jonas Petersson FF283

**water drip** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WaveBench** This is Bryce Nesbitt's Badge Killer Demo Contest entry. It is a neat screen hack, and runs on 512K machines. For more laughs, try in conjunction with Viacom or Ds (Dropshadow). Includes source. Author: Bryce Nesbitt FF112

**Waveform** Jim Shields' Waveform Workshop in AmigaBASIC. In C source code and documentation. AM19

**WaveMaker** Realtime waveform generator using Intuition slider gadgets. Allows sounds to be created with a maximum of 8 harmonics. Version 0.9 binary only. Author: Laurence Vanhelsuwé FF626

**WaveMaker** WaveMaker is intended to give beginning music and physics students a "hands on" feel for how complex waves are made by adding a harmonic series of sine waves. A fundamental and up to seven harmonics are available. The resulting waveform can be displayed on the screen or played on the audio device using the keyboard like a piano. A game mode is also provided. Version 1.2, an update to version 1.1 on disk 318, with several bugs fixed, more efficient code, and a new display option. Includes source. Author: Thomas Meyer FF481, FF318

**WBAssign** A small WorkBench program that creates AmigaDOS assignments without having to open a CLI. Assignments may be made by specifying a complete path (as supported by the CLI command), or by specifying a path relative to the current directory. This allows a program and its assigns to be moved easily. In addition, WBAssign can create assigns specified in the icon files of other programs located anywhere in the system. This is version 1.20, binary only. Author: John Gerlach Jr. FF277

**WBColors** A simple little program to change the Workbench colors to a predetermined color set, for programs that expect to be booted off their distribution disk but instead are run from a hard disk. Includes source. Author: Stefan Lindahl FF121

**WBD** Possibly the smallest utility to set the workbench screen to any depth. Includes source in C. By: Oliver Wagner FF346

**WBDepth** CLI program that allows you to change the number of bitplanes for the WBScreen on the fly. Very useful for A500 and A2000 users with kickstart in ROM. Binary only. Author: Andry Rachmat FF175

**WBdualPF** An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual. Fixed version of copy released on FF41. Includes source. Author: Jim Mackraz FF87

**WBdump** JX-80 optimized workbench printer that does not use DumpRPort. Much more efficient than the Amiga JX-80 driver for fullscreen dumps includes source. Author: John Hodgson FF58

**WBGauge** A utility to patch AmigaOS 2.0 to bring back the little gauge in the left border of disk windows showing the ratio of available space on the disk. Version 1.2 an update to version 1.0 on disk 417. Binary only. Author: Jean-Michel Forgeas FF551, FF417

**WBLander** This entry from the Badge Killer Demo Contest is a special version of the WBLander program from FF100. The ending is unique. Also uses sound effectively. Includes source. Authors: Peter da Silva and Karl Lehenbauer FF114, FF100

**WBLink** WBLink corrects a deficiency in Workbench 2.0: the inability to create links to files and directories from Workbench. WBLink puts an 'Applon' on the Workbench screen that makes a link to any file or directory that is dropped on it. For Workbench 2.0 or later. Version 1.00, includes source. Author: Dave Schreiber FF546

**WBpic** Replaces Workbench's color 0 with an IFF hires non-interlaced picture, in 2 or 4 colors. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**WBplane** Two very small tools to change the depth of the Workbench screen. AddWBplane adds a bitplane. SubWBplane subtracts a bitplane. Both can be run from both CLI and Workbench. This is version 1.0. Includes source in assembler. Author:

Preben Nielsen FF543

**WBRes** A program that allows WorkBench users to have resident programs, as in the resident capability of WShell, the ARK shell, and the WB1.3 Shell. Version 1.2b, shareware, binary only. Author: John Bickers FF277

**WBRUN** A RunBack style program which use parm.library. Runs programs in WB mode from any CLI. Programs are fully detached. The program you run must support WB startup. Not related to WBRUN on disk 43. Includes source in C. Authors: Sylvain Rougier, Pierre Carrette FF540

**WBrun** A program designed to allow any program to be invoked from CLI yet behave as if it were invoked from Workbench. Workbench need not be loaded, thus saving the memory that Workbench would normally use. Author: JohnToebes FF43

**WBShadow** A small program that creates a shadow for everything that's displayed on your WorkBench (Windows, Icons, Gadgets, Menus, Texts, etc). V1.0, Source in Modula-II. Author: Fridtjof Siebert FF253

**WBStart** WBStart is a package to emulate the WorkBench startup procedure by loading a program creating a process for it and then sending it a WB startup message. Includes a handler process which does the starting of the processes for you and then waits for the startup reply messages. Version 1.0 includes source. Author: Stefan Becker FF572

**Wc** A 'word count' program, ala UNIX's wc, that is faster because it doesn't count what you don't ask for, plus some other improvements. Includes source. Author: Steve Summit FF69

**Webster** The dictionary page in an IFF picture. AM7

**weird** A program written in AmigaBASIC that makes strange sounds. AM11

**WFile** Small but useful tool to interchange ASCII files between different operating systems. Converts foreign symbols and adapts linefeed codes. Can also be used to expand tabs to multiple spaces or vice versa. It has builtin templates for interchange between the Amiga, MS-DOS and UNIX. Profiles can be used for common adaptations. Version 1.11, includes source in C. Author: Joerg Fenin / Metalworx FF536

**WFrag** Another version of Frags, but this one pops up a nice little window that updates occasionally. Necessary for developers who wonder what their program is doing to memory, or wonder why they can't load that program. Includes source. Author: Tomas Rokicki FF131

**Wharves** HiRES BW tall ships in port FF72

**WhatIs** A neat little utility which not only recognizes a wide variety of file types (executables, IFF, icons, zoo files, etc), but prints interesting information about the structure or contents of the recognized file types, such as what libraries, devices, resources, fonts, etc. a program uses. This is version 2.0, an update to version 1.2a on disk 334, and is for AmigaDOS 2.0 only. Binary only. Author: Jorrit Tyberghein FF417, FF334

**Wheel** Nice little 'Wheel of Fortune' type game, written in AmigaBASIC. Author: Hari Wiguna FF67

**WheelChairSim** A wheelchair simulator developed as a project for the Technical Resource Centre and the Albert Children's Hospital, to allow the matching of a wheelchair joystick to a child's handicap and allow the child to practice using the chair in a safe (simulated) environment. Binary only. Author: Unknown, submitted by Dr. Mike Smith FF139

**wheels** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Whence** Whence will locate any program/file in your current path. Similar to the UNIX whence command. Version 1.0, binary only. Author: George Kerber FF432

**WhereIs** Program which searches a disk for the first or multiple occurrences of a file with a given name. Author: Steve Poling FF45

**Whereis** Another 'find-that-file' utility. Whereis searches on your (hard-)disk for a file(name) and displays the path to that file. Some features are case independent search, wildcards, interactive mode (cd implemented), can display size and date of files, always abortable, can archive filenames for 'ZOO' (like fnams/recurdir), and no recursive procedures. Includes source in C. Version 1.18 (2-15-90). Author: Roland Bless FF321

**whereis.c** Find a file searching all subdirectories. C program. AM5

**WhichFont.c** Loads and displays all available system fonts pro-cess.i and prtbase.i assembler include files. C program. AM4, AM1

**whistle** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Who** A rewrite of 'who', from FF79, which gives substantially more elaborate information about the tasks currently running (or waiting) on your Amiga. Includes source. Author: George Musser, rewrite by Paul Kienitz FF224, FF79

**Why** replace your AmigaDOS CLI Why AM24

**Wicon** A 'Window Iconifier'. Allows you to turn your

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windows into small icons which can be later recalled. Currently installed with MacWin to give your windows a 'rubber-banding' effect. Version 1.14. Includes source. Author: Steven Sweeting Introducing the Amiga FF154

**wIconify** A program, and number of companion utilities, that allow you to iconify windows on any screen, including custom screens. Iconified windows become small icons on the bottom of the screen, and they can be opened again by double-clicking them. Also allows any screen to become a shared, WorkBench-like screen, and gives you the ability to create new screens specifically for this purpose. Each window can have its own custom icon. There is a programmers interface to allow programs to control their own icons. Version 3.8, includes source. Author: Davide Cervone FF500

**Wild** Two versions of UNIX shell style wildcard matching routines. Author: Rich Salzand Fred Fish FF43

**WildStar** Toggles the RNF\_WildStar bit in the DOS library root node which allows AmigaDOS to use the '\*' character as a true wildcard which is mostly plug compatible with '#?'. Version 1.2 includes source in assembly. Author: Ken Simpson FF611

**Window** Sample program which shows how to create a DOS window in a custom screen Author: Andy Finkel FF38

**WindowShuffle** Activates and brings to front next or previous window with hotkeys. Hotkeys can be changed. Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**WindowTiler** A WB2.0 commodity that arranges workbench windows in many ways (tiling cascading etc). Now has a REFUSE tooltype double click title bar to explode windows etc. This is version 1.2.1 an update to 1.1 on disk 593. Binary only. Author: Doug Dyer FF623, FF593

**WinMan** A very simple utility to manipulate windows. It adds some menus to the workbench, which you can use to shrink, maximize, tile or cascade your windows. AmigaDOS 2.0 only. Version 1.0, includes source. Author: Jorrit Tyberghien FF420

**WinSize** CLI window utility resizes current window. In C source code, executable program, and documentation. AM19

**WireDemo** Matt's entry for the Badge Killer Demo Contest. Demonstrates the Amiga's line drawing speed. Runs on a 512K Amiga. Includes source. Author: Matt Dillon FF118

**WitchingHour** A game. AmigaBASIC Program. AM3

**With** CLI command that allows you to start any other CLI command several times and give it all the files that match a file pattern as an argument, one at a time. V 1.0, Modula-II Source. By: Fridtjof Siebert FF253

**WizardClock** A workbench clock with many features and various languages. Version 1.30 an update to version 1.20 on disk 584 (Wizard- Works 2). Freeware. Binary only. Author: Stefan Zeiger FF636, FF584

**WizardFile** This nice file requester is an enhanced version of Anders Bjerin's 'FileWindow' from disk 337. It is very comfortable and has a nice WB2.0 design. Version 1.01. Source code in C included. Public Domain. Author: Stefan Zeiger Anders Bjerin FF584

**WizardsInfo** General information about the Wizard Works disk 3 from which this material was included. Author: Stefan Zeiger FF636

**wKeys** A 'hot-keys' program that binds keyboard function keys to window manipulation functions (window activation, front to back, moving screens, etc). Includes source. Author: Davide Cervone FF128

**WO** An intuition-based address book that allows saving of data in normal or password-encoded form. Version 1.0, includes partial source, (password encoding routines not included). Author: Heinzelmann FF363

**Woman&Pencil** Famous IFF image of a woman holding a pencil (seen in early Digi-View™ advertisements). AM7

**Wombat** Yet another terminal emulation program. Version 3.01. Has user set table cursor, programmable function keys, vt-102 emulation, auto-dialing, loadable settings files, and more Author: Dave Warker FF50

**WonderSound** Wondersound is an additive harmonic instrument design tool with a separate envelope design window and 16 relative harmonic strength and phase angle controls. Version 1.7, an update to version 1.6 on disk 428. Binary only. Author: Jeffrey Harrington FF449, FF428, FF407

**WordPuzzle** The object of this game is to find a word in a puzzle arrangement. There are three different variations of the game. Version 1.1, includes source in BASIC. Author: Russell Mason FF469

**WordSearch** This is an automated wordsearch generator. Words orientations can be limited to any subset of the eight primary directions and the

puzzle can be rotated or flipped. It has a spartan but functional user interface highlighted by the req.library. The system default font under WB 2.0 is supported for the puzzle display window. Version 1.0, includes source in C. Author: Craig Lever FF498

**World** A text adventure game similar to the Infocom adventures of Planetfall and Starcross. Quite large with a tremendous variety of responses. V1.02, includes source. By Doug McDonald, Amiga port by Eric Kennedy FF184

**WorldDataBank** A project using geographical data, declassified and made available by the CIA under the Freedom of Information Act, to draw a Mercator projection of any area of the Earth that you would like to inspect, in various degrees of magnification. Also includes a program that displays a 'satellite view' of any region. Version 2.0, includes source. Author: The CIA, Mike Groshart, Bob Dufford FF262

**WorldDataBank** Using a database of coordinates compiled by the CIA and made available under the Freedom of Information Act this program plots world maps in cylindrical or spherical projections with various degrees of magnification. This is version 2.2 an update to version 2.0 on disk 262 and now includes the largest available data file for detailed mapping of even small sections of the globe. Includes source. Author: The CIA Bob Dufford Mike Groshart FF580

**WorldMap** A world map in an IFF picture. AM6

**WorldMap** An AmigaBASIC program which draws a map of the world. AM9

**WorldTime** A clock that has two states. In the first state it has a small window which shows the current time and also the current time in another city in the world. In the second state a large window shows the time in 84 cities throughout the world. The list of cities is configurable. Version 1.31 includes source. Author: Jonathan Potter FF583

**Worm** An Amiga implementation of the classic 'worms' program, based on an article in the Dec 1987 issue of Scientific American. You can specify the size and length of the worms, and the number of worms. Includes source. Author: Brad Taylor, Amiga port by Chuck McManis FF218

**Wrap** A program to wrap a Sculpt-Animate 4D image around a sphere or cylinder. You can even use relieved surfaces to construct planetary objects or other textured shapes. Version 1.32, shareware, binary only. Author: Martin Koistinen FF414

**Wreq** Replace 'pop-up' requestors with line-oriented requestors (similar to those found in an MS-DOS environment) that can be easily handled from the keyboard. If there is no interactive console for the process, the requester won't appear. Includes assembly source. Author: Tuomo Mickelsson FF387

**WriteIcon** Sample code that creates an icon using a compiled-in image, the source of which can be created with Icon2C on FF56. Version 1.0, includes source in C. Author: Dan Burris FF297

**Writing Faster Assembly:** Continuing the discussion of speeding up programs. Author: Martin F. Combs AC13

**WTF** WTF (Window To Front) is a little hack which brings a window to the front when double-clicked. Includes source. Author: Thomas Albers FF416

**WWBatch** Two batchfiles that residents/copies to RAM: the commands used by ! Wizard Works ! program startup batch files. Author: Carsten Raufuß FF636

**X-Spell** A spelling checker to proofread text files and then allow you to move through the document, deciding what to do with the misspelled words. Suggested \$15 donation. Author: Hayes Haugen FF40

**X2X** Cross converts between Motorola/Intel/Tektronix ASCII-hex files. These files are typically used for down-line-loading into EPROMs, or for transmission where binary files cause chaos. Handles S1, S2, S3, INTEL (inc USB A records), Tektronix (inc extended). Source included. Author: Gary Duncan. FF345

**XBoot** A very simple utility to convert a boot block into an executable file so you can use your favorite debugger (Wack, Dis, etc.) to study it. Includes source. Author: Francois Rouaix FF161

**XColor** A program designed to change the colors of any screen. You can also add and subtract bitplanes in the screen, or convert the screen to black and white (grayscale). Handles HAM and EHB screens. Version 1.2, includes source in assembly code. Author: Roger Fischlin FF244

**XColor-Lib** Link library with a full-fledged color requester along with several color functions like copy, spread, exchange, antique black & white, etc. to aid in creating your own custom color requestors. Contains several demos along with include files for C, AmigaBASIC, DevPac Assembler and KickPascal. Author: Roger Fischlin FF361

**XCopy** A replacement for the AmigaDOS copy command. Preserves the file date, provides an 'update only' option, and uses UNIX type wildcards. Binary

only. Author: Lee Robertson FF74

**Xebec** A couple of hacks to make life easier for those who have Xebec hard disks. One makes it more possible to Mount a Xebec hard disk with the Fast File System, the other is a compact head parking program. Includes source. Author: Paul Kienitz FF224

**xenos** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. The program on AMICUS I is in ABASIC FF13, AM1

**XenoZap** A program that recursively descends into directories, disabling the Xeno virus in all executable files that it finds. Version 1.0, includes source in Modula-2. Author: Kevin Kelm FF300

**XfrmReview** Text list of Transformer programs that work. AM9

**XHair** Replaces the mouse pointer with a screen wide crosshair, which is useful for positioning things vertically or horizontally. V1.0, includes source in Modula-II. By Fridtjof Siebert FF234

**Xicon** Xicon lets you use icons to call up scripts containing CLI commands. V2.5, an update to FF157. New features include automatic selection of the correct execution directory, the option to have keyboard interaction, and the use of IF, ELSE, etc DOS commands. Binary only. Author: Pete Goodeve FF290, FF157, FF102, FF31

**XI** Demo version of a single bit-plane cel animation generator. Uses an onion-skin display to rough in an animation sequence. Has a large AREXX command set, multiple precision bezier curves and splines, scalable and rotatable polygons, brush support with blitter logic, turtle graphics and macro key definitions. Requires req.library (Fox/Dawson). Non-saving demo version, binary only. Author: Martin C. Kees FF516

**Xlisp** Small lisp type interpreter, binary only (source to older version was on disk #18). Version 1.7. Author: Dave Betz FF39, FF18, FF3

**XLispStat** A statistical program based on David Betz' XLisp. It does some of the most advanced dynamic statistical graphics, including brushing, linking, and 3D rotations. Menus and requestors can be created dynamically with simple lisp commands, and treated as lisp objects, so that the program could be used for many other non-statistical purposes, such as interactive expert systems. XLisp-Stat has an AREXX port so that an editor may be used to prepare lisp programs and send them directly to XLisp-Stat to be executed. Commands, as character strings, may also be sent from XLisp-Stat with the lisp command, 'arexx'. All graphics produced may be saved to files in IFF format. This version of XLisp-Stat (v.2.1, release 1) has been ported to the Amiga by James Lindsey, from the Mac version supplied by Luke Tierney. Requires a numerical coprocessor (M68881/M68882) and an M68020/M68030 processor. This disk contains the executables, manual, and lisp files. The sources can be found on disk 386. Author: David Betz, Luke Tierney, James Lindsey FF385

**XLispStat** A statistical program based on David Betz' XLisp. It does some of the most advanced dynamic statistical graphics, including brushing, linking, and 3D rotations. Menus and requestors can be created dynamically with simple lisp commands, and treated as lisp objects, so that the program could be used for many other non-statistical purposes, such as interactive expert systems. XLisp-Stat has an AREXX port so that an editor may be used to prepare lisp programs and send them directly to XLisp-Stat to be executed. Commands, as character strings, may also be sent from XLisp-Stat with the lisp command, 'arexx'. All graphics produced may be saved to files in IFF format. This version of XLisp-Stat (v.2.1, release 1) has been ported to the Amiga by James Lindsey, from the Mac version supplied by Luke Tierney. Requires a numerical coprocessor (M68881/M68882) and an M68020/M68030 processor. This disk contains the sources. The executables, manual, and lisp files can be found on disk 385. Author: David Betz, Luke Tierney, James Lindsey FF386

**xmodem** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Xnum** A useful CLI conversion utility that takes a decimal, binary, octal or hex number as input and displays the number in all four formats. Binary only. Author: Oliver Ensling FF379

**Xoper** Very comprehensive program to monitor and control system activity. Monitor cpu, memory usage, ports, interrupts, devices. Close windows, screens, show loaded fonts or last Guru code number. Clean up memory, flush unused libraries, devices, fonts, etc. and a whole bunch more! Spawns its own process. A very handy background task to have loaded. This is version 2.2. Changes include mostly bug fixes and some minor enhancements. Assembly source included. Author: Werner Gunther FF318, FF274, FF228, FF171

**Xplor** A program that scans all the system lists that start in ExecBase and prints out their names and addresses

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at which they start. Includes assembly source. Author: Larry Phillips FF73

**XprKermit** An Amiga shared library which provides Kermit file transfer capability to any XPR-compatible communications program. Supports version 2.0 of the XPR Protocol specification. Version 1.5, includes source. Author: Marco Papa, Stephen Walton FF330

**XprLib** External file transfer protocol library. Document and code example for implementing external file transfer protocols using Amiga shared libraries. This is version 2.0 with many extensions and enhancements. Includes sample XPR library and source. Author: Willy Langeveld FF247, FF240

**XprTransmit** XprTransmit is an CLI-based command that allows you to easily access to any Xpr Library without having to worry about call-back-function et cetera. It is able to access every serial device-like executive. Only little documentation. Version 1.0, binary only. Author: Andreas Schildbach FF369

**XprZmodem** An Amiga shared library which provides ZModem file transfer capability to any XPR-compatible communications program. This is version 2.10, an update to version 2.0 on disk 261. Includes source. Author: Rick Huebner FF459, FF261, FF236

**Xref** A C cross-reference gen., C program in C source code and executable. AM3

**xrf** C cross reference utility. Originally from Decus C distribution. Author: Bob Denny FF2

**YaBoingII** A game program demonstrating hardware sprite usage, including collision detection. + Includes source. Author: Ali Özer, based on original by Leo Schwab FF136, FF36

**Yacc** This is a port of Berkeley Yacc for the Amiga. This Yacc has been made as compatible as possible with the AT&T Yacc, and is completely public domain. Note that it is NOT the so-called Decus Yacc, which is/was simply a repackaging of the proprietary AT&T Yacc. This is an update to the version on disk 299. Includes source. Author: Bob Corbett et al. FF419, FF299

**YachtC3** Update to the Yacht program on disk #10, contains some fixes and incorporates a simple sound process. Version 3, includes source. Author: Sheldon Leemon, with enhancements by Mark Schretlen FF158, FF10, AM2

**Yaiffr** Yet Another IFF Reader. Handles HAM, HIRES, and overscan, includes source. Author: Leo Schwab FF87

**YatZ** One player Yatzee game. This program was written to take up little memory and to multitask nicely. Version 1.0, includes source in C. Author: Greg Pringle FF498

**Yawn!** A small WorkBench sliding block puzzle to keep your mind and fingers busy while your compiler is busy crunching away on your highly secret, hard earned source code that you hopefully remembered to unscramble first! Features selectable size from 4x4 to 7x7 and European, Hindi or Arabic numerals. Includes source. Author: Lorenz Wiest FF379

**YoYo** weird zero-gravity yo-yo demo, tracks yo-yo to the mouse, in AmigaBASIC. AM8

**Zc** A full K&R C compiler based on a port of the Atari ST version of the Sozobon-C compiler. Includes the C compiler main pass written by Johann Ruegg with fixes and enhancements by Joe Montgomery and Jeff Lydiatt, a cc front end written by Fred Fish with enhancements by Jeff Lydiatt and Ralph Babel, an optimizer written by Tony Andrews, an assembler written by Brian Anderson and Charlie Gibb, a linker written by the Software Distillery, generic include files, and a C runtime library written by Dale Schumacher and ported by Jeff Lydiatt. This is version 1.01. Author: Various, see documentation. FF314, FF193

**Zerg** An Ultima clone that takes your character through a simple but deadly fantasy world where you get to slaughter monsters, talk with the inhabitants of fully populated towns, embark on royal quests, purchase a plethora of weapons, cast spells, and otherwise occupy yourself while your computer is engaged in more important business. Version 1.0, binary only. Author: Mike Shapiro FF252

**ZeroVirus** A fully integrated virus checker and killer, with bootblock save and restore features. Finds both bootblock and file based viruses. Uses Brainfiles to recognise viruses, and has on-line Brainfile editing facilities. Can be iconified to Workbench screen. This is version III 1.15, an update to version 2.01 on disk 287. Binary only. Author: Jonathan Potter FF412, FF287, FF242

**Zippy** A 'Graphical Shell'. Opens a medium-size window and attaches a menu-strip for performing all sort of disk/data manipulations. Features script files allowing you to attach custom menu selections as you move between directories. Also included is an intuition based utility for altering FileInfo data. (filename, filenote, RWED attributes, etc.) Version 2.5, binary only. Author: Michael Weiblen FF175

**Zon** An arcade/adventure game that mixes a unique blend of puzzle solving and arcade adventure. Your mind and your reflexes will both be tested to their limits as you work your way towards your goal, recovering the Rings of Zon. Has 19 levels of action, save/restore your game on any level, stereo

digitized soundtracks and sound effects, over 100 objects to discover and explore, up to 300 moving objects on the screen at once, and more. Volume 1, shareware, binary only. Author: George Broussard FF421

**Zoo** A file archiver, much like "arc" in concept, but different in implementation and user interface details. Version 2.10, an update to version 2.00 on disk 164. New features include greatly improved compression, preservation of full pathnames by default, and extended multi-screen help. Binary only. Author: Rahul Dhesi, Amiga port by Brian Waters FF527, FF164, FF136, FF108, FF87

**Zoom** A fast and efficient floppy disk archiving utility based on the data compression / decompression algorithms used by lh.library. Has an intuition and a Shell interface, fully supports Kickstart 2.0, is able to add texts and notes to archived output files, knows 66 different bootblock viruses, includes a number of compression parameters (such as encryption of the output file) and a lot more. Version 3.10, binary only. Author: Olaf 'Olsen' Barthel FF436

**ZoomBox** Attaches a zoom box to an Intuition window and allows the user to toggle the window's size and its position. Author: John Leonard AC12

**ZoomDaemon** Adds a "zoom" gadget to every window that can be resized. Pressing this gadget makes the window as large as possible or as small as possible, or brings it back to its normal size. Version 2.1.3, include source. Author: Davide Cervone FF498

**ZPlot** Graphs formulas based on 4-D complex number planes. ZPlot currently supports the Mandelbrot set, Julia sets, and Phoenix curves, with over 500 mapping variations. The math functions supported include sin(z), sinh(z), z^z, e^z, z^n, sqrt(z), cos(z), cosh(z), tan(z), tanh(z), log(z), ln(z) and n^z. Version 1.3d, binary only Author: Terry Gintz FF389

**ZScroll** A short program which scrolls ASCII text files in a small window on your Workbench screen. Includes both English and German versions. Version 1.0, includes source. Author: Mark Zeindlinger FF544

**ZShell** A very tiny (13Kb) CLI shell modelled along the lines of CSH, with over 40 internal commands. Some of its features include command line editing, history buffer, aliases, function key aliases, reverse polish calculator, multiple commands on one line, loops, If-Else-Endif constructs etc. This is version 1.30 and includes assembly source. Author: Paul Hayter FF537

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# Cat Fish Index

The following addition to *AC's GUIDE To The Commodore Amiga* is provided by Dr. Patrick Bailey. The CATFISH directory has been a long time effort of Dr. Bailey and is considered one of the most complete cross-referenced category listings of Mr. Fred Fish's extensive library. This data is also available on disk and is included in the extensive CATFISH Catalog disk described in this Guide. We include it here with the good graces of both Patrick and Fred to allow our readers to more easily locate the software they need in the freely distributable Amiga public domain library.

The listing is arranged by categories, and is organized by the two-level outline shown below, with only the latest version of each file being listed along with its associated Fish Disk number. File names ending in a colon denote that they work only with WB 2.0. As always, if you find any inaccuracies in this listing, or have any ideas on how we can improve this or any other part of this Guide, please write to us.

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CrLists	TrackDOS	AmiBack	TrackDOS	Post	BackFront	Conquest	FoCo	NumbersUp	NComm
HappySong	TrisTivia	FF448	TrisTivia	Post	CSGraph	PSeader	FredFish567	PublicService	FredFish622
FF402	ADoc	FF423	AmiBack	FF402	ScreenJaeger	Uder	AmigaMail	StarService	Challenger
APrt	Hollywood	DFC	FlashBack	CNewsBin	LeftMouse	SeRiLib	WBplane	FredFish593	FredFish623
Procy	LCDCalc	FlashBack	FlashBack	ICalc	MouseAcel	FredFish524	FredFish544	FredFish593	AIB
FLW	Pogo	FF448	FF448	IFFBeep	MouseBanker	Kamin	AWP	Elements	Makelon
PrintStudio	SeRiRamsey	FF449	FF449	NewShellC	SNAP	EraserDisk	SetRamsey	LhA	PPLib
FF403	AmiCLI	AmigaPet	AmigaPet	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FixDisk	MED	FiloDev	Mkd	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
KawaEditor	NightMare	FF425	NightMare	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
NityTerm	OnTime	AmiCLI	AmiCLI	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
PokerDemo	CrCLists	CrCLists	CrCLists	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
ReXHotLib	SolitaireX	ST2Amiga	Swish	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF404	LHarc	Conman	FF449	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
NGTC	Globibus	Handshake	IF2Ansi	FF449	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF405	BlackJack	Chemesthetics	FF450	FF450	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
ATCOPY	DirWork	Cyilic	FF450	FF450	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
DMS	SVT	AmiVsWalker	FF450	FF450	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
GnuAuk	BCBMusic	Tabu	FF450	FF450	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
GnuGrep	CyroUlis	UUCP	FF450	FF450	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
MadBlanker	ShadowMaker	Liner	FF451	FF451	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF407	DMouse	Train	FF451	FF451	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
Flex	WonderSound	Convert	FF429	FF429	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF408	DCmd	ATCOPY	FF429	FF429	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
KickDate	CLimax	RRCamDisk	FF429	FF429	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
MonDie	Dr	SnoopDOS	FF429	FF429	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
Post	FixCLi	MP	FF452	FF452	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF409	Trek	Budget	FF452	FF452	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF410	MechFight	ImageLab	FF453	FF453	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
Vit	Trippon	MandePAUG	FF453	FF453	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF411	Yedi-Stuff	AmigaTraction	FF454	FF454	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF412	Lotto	AmigaTraction	FF454	FF454	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF413	Pointer	AmigaTraction	FF454	FF454	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF414	SmartFields	AmigaTraction	FF454	FF454	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
FF415	AmiCLI	AmigaTraction	FF454	FF454	AmiCLI	AmiCLI	AmiCLI	AmiCLI	AmiCLI
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FF494	AmiCLI	AmigaTraction	FF454	FF454	AmiCLI	AmiCLI			



# AMICUS Index

## -AMICUSDisk 1-

**3DSolids** 3D solids modeling prog. w/sample data files. ABasiC program.  
**Blocks** Draws blocks. ABasiC program.  
**Cubes** Draws cubes. ABasiC program.  
**Durer** Draws pictures in the style of Durer. ABasiC program.  
**FScape** Draws fractal landscapes. ABasiC program.  
**Hidden** 3D drawing program, with hidden line removal. ABasiC program.  
**JPad** Simple paint program. ABasiC program.  
**Optical** Draw several optical illusions. ABasiC program.  
**PaintBox** Simple paint program. ABasiC program.  
**Shuttle** Draws the Shuttle in 3D wireframe. ABasiC program.  
**SpaceArt** Graphics demo. ABasiC program.  
**Speaker** Speech utility. ABasiC program.  
**Sphere** Draws spheres. ABasiC program.  
**Spiral** Draws color spirals. ABasiC program.  
**ThreeDee** 3D function plots. ABasiC program.  
**Topography** Artificial topography. ABasiC program.  
**Wheels** Draws circle graphics. ABasiC program.  
**Xenos** Draws fractal planet landscapes. ABasiC program.  
**Tools**  
**AddressBook** Simple database program for addresses. ABasiC program.  
**CardFile** Simple card file database program. ABasiC program.  
**Demo** Multiwindow demo. ABasiC program.  
**KeyCodes** Shows keycodes for a key you press. ABasiC program.  
**Menu** Run many ABasiC programs from a menu. ABasiC program.  
**MoreColors** Away to get more colors on the screen at once using aliasing. ABasiC program.  
**Shapes** Simple color shape designer. ABasiC program.  
**SpeakIt** Speech and narrator demo. ABasiC program.  
**Games**  
**BrickOut** Classic computer brick wall game. ABasiC program.  
**Othello** Also known as 'go'. ABasiC program.  
**Saucer** Simple shoot-em-up game. ABasiC program.  
**Spelling** Simple talking spelling game. ABasiC program.  
**ToyBox** Selectable graphics demo. ABasiC program.  
**Sound&Music**  
**Entertainer** Plays "The Entertainer", a Scott Japlan song made famous by "The Sting". ABasiC program.  
**HAL9000** Pretends it's a computer from the HAL series (2001). ABasiC program.  
**Police** Simple police siren sound. ABasiC program.  
**SugarPlum** Plays "The Dance of the Sugarplum Fairies". ABasiC program.  
**Cprograms**  
**ATerm** Simple terminal. C program, source code and executable program.  
**cc** Avid to compiling with Lattice C.  
**devcnt** Opposite of CONVERT for cross developers. C program.  
**Dotty** Source code to the 'dotty' window demo. C program.  
**echox** UNIX-style filename expansion, partial S. C program in C source code and executable. Documentation included.  
**fasterp** Explains use of fast-floating point math C program.  
**FixDate** Fixes future dates on all files on a disk. C program in C source code and executable.  
**freedraw** Simple four-color Workbench drawing program. C program. In C source code and executable.  
**GfxMem** Graphic memory usage indicator. C program. Source code and executable program.  
**Grep** Searches for a given string in a file with docs. HAM shows off the hold-and-modify method of color generation. C program.  
**IBM2Amiga** Fast parallel cable transfers between an IBM and an Amiga C program.  
**Mandel** Mandelbrot set program. C program in C source code and executable.  
**moire** Patterned graphic demo. C program in C source code and executable.  
**objfix** Makes Lattice Object file symbols visible to Wack. C program. In C source code and executable.  
**quick** Quick sort strings routine. C program.  
**raw** Example sample window I/O. C program.  
**setlace** Turns on interlace mode. C program in C source code and executable.  
**sparkx** Qix-type graphic demo. C program in C source code and executable.  
**SpeechToy** Speech demonstration. Executable program.  
**WhichFont** Displays all available fonts. Executable program.  
**Texts**  
**68020** Text describes 68020 speedup board from CSA.  
**Aliases** Text explains uses of the ASSIGN command.  
**Bugs** Text of known bug list in Lattice C 3.02.  
**CLICard** Text file of a reference card for AmigaDOS CLI.  
**CLICommands** Text guide to using the CLI.  
**Commands** Shorter guide, in text, to AmigaDOS CLI commands.  
**EdNames** Text guide to the ED editor.  
**FileNames** AmigaDOS filename wildcard conventions in a text file.  
**HalfBright** Text explains rare graphics chips that can do more colors.  
**ModemPins** Text description of the serial port pinout.  
**RAMdisks** Text file with tips on setting up your RAM disk.  
**ROMWack** Text files with tips on using ROMWack.  
**Sounds** Text explanation of Instrument demo sound file format.  
**Speed** Text file, relation of Amiga's CPU and custom chip speed.  
**WackCmds** Text tips on using Wack.

## -AMICUS Disk 2-

**Cprograms**  
**alib** AmigaDOS object library manager, C programs in C source code and executable.

**ar** Text file archive program. C program in C source code and executable.  
**fixobj** Auto-chops executable files. C program in C source code and executable.  
**shell** Simple CLI shell, S-E. C program in C source code and executable.  
**sq, sqsq** File compression programs. C program in C source code and executable.  
**YachtC** A familiar game. C program in C source code and executable.  
**Make** A simple 'make' programming utility. C program in C source code and executable.  
**Emacs** An early version of the Amiga text editor. C program in C source code and executable. Documentation provided.  
**Assemblerprograms**  
**bsearch.asm** Binary search code. Assembler program.  
**qsort.asm** UNIX compatible qsort() function. source and C test program. Assembler program.  
**setjmp.asm** setjmp() code for Lattice 3.02. Assembler program.  
**SVprintf** UNIX system V compatible printf(). Assembler program.  
**trees.o** UNIX compatible tree() function. Assembler program. Object file and documentation provided.  
**Tutorials**  
**Animate** Tutorial describes animation algorithms, by John Draper.  
**Gadgets** Tutorial on gadgets from J. Draper.  
**Menus** Learn about Intuition menus, a John Draper Amiga Tutorial.

## -AMICUS Disk 3-

**Cprograms**  
**Xref** A C cross-reference gen.. C program in C source code and executable.  
**6bitcolor** Extra-half-bright chipgfx demo. C program in C source code and executable.  
**Chop** Truncate (chop) files down to size. C program in C source code and executable.  
**Cleanup** Removes strange characters from text files. C program.  
**CR2LF** Converts carriage returns to line feeds in Amiga files. C program.  
**Error** Adds compile errors to a C file. C program in C source code.  
**Hello** Window ex. from the RKM. C program in C source code.  
**Kermit** Generic Kermit implementation, flakey, no terminal mode. C program. source code and executable.  
**Scales** Sound demo plays scales. C program in C source code and executable program.  
**SkewB** Rubik cube demo in hi-res colors. C program in C source code and executable.  
**AmigaBASICprogs(dir)**  
**Automat** Cellular automata simulation. AmigaBASIC program.  
**CrazyEight** Card game based on the children's traditional favorite.  
**Graph** Function graphing programs. AmigaBASIC program.  
**WitchingHour** Game. AmigaBASIC program.  
**ABasiCprograms**  
**Casino** Games of poker, blackjack, dice, and craps. ABasiC program.  
**Gomoku** Also known as 'othello'. ABasiC program.  
**Sabotage** Sort of an adventure game. ABasiC program.  
**Executableprograms**  
**Disassem** A 68000 disassembler. Executable program.  
**DpSlide** Shows a given set of IFF pictures. Executable program.  
**Arrange** A text formatting program. Executable program.  
**Assemblerprograms:**  
**Argoterm** Terminal program with speech and Xmodem. Assembler program. source code and executable program.

## -AMICUSDisk 4-

AMICUS Disk number 4 contains files from the original Amiga Technical BBS. Note that some of these files are old, and refer to older versions of the operating system. These files came from the Sun system that served as Amiga technical support HQ for most of 1985. These files do not carry a warranty, and are for educational purposes only. Of course, that's not to say they do not work.  
**image.ed** Complete and nearly up-to-date C source to 'image.ed', an early version of the Icon Editor. This is a little flakey, but compiles and runs.  
**Intuitiondemo** An Intuition demo, in full C source, including files: demomenu.c, demomenu2.c, demoreq.c, getascii.c, idemo.c, idemo guide, idemo.make, idemo call.h, nodos.c, and twixie.c  
**addmem.c** Add external memory to the system. C program.  
**bobtest.c** Example of BOB use. C program.  
**consoleIO.c** Console I/O example. C program.  
**creaport.c** Create and delete ports. C program.  
**creatstdi.c** Create standard I/O requests. C program.  
**creatask.c** Creating task examples. C program.  
**diskio.c** Example of track read and write. C program.  
**dotty.c** Source to the 'dotty' window demo. C program.  
**dualplay.c** Dual playfield example. C program.  
**flood.c** Flood fill example. C program.  
**freemap.c** Old version of 'freemap'. C program.  
**gettools.c** Tools for VSprites and BOBs. C program.  
**gxmem.c** Graphic memory usage indicator. C program.  
**hello.c** Window example from RKM. C program.  
**inputdev.c** Adding an input handler to the input stream. C program.  
**joystick.c** Reading the joystick. C program.  
**keybd.c** Direct keyboard reading. C program.  
**layertes.c** Layers examples. C program.  
**mousport.c** Test mouse port. C program.  
**ownlib.c** Example of making your own library in C with Lattice. C program.  
**ownlib.asm** Example of making your own library in Assembly with Lattice. C program.

**paratest.c** tests parallel port commands. C program.  
**seritest.c** tests serial port commands. C program.  
**serisamp.c** Example of serial port use. C program.  
**printr.c** Sample printer interface code. C program.  
**prtbase.h** Printer device definitions. C program.  
**regintes.c** Region test program. C program.  
**setlace.c** Source to interlace on/off program. C program.  
**setparallel.c** Set the attributes of the parallel port. C program.  
**setSerial.c** Set the attributes (parity, data bits) of the serial port. C program.  
**singplay.c** Single playfield example. C program.  
**speechtoy.c** Source to narrator and phonetics demo. C program.  
**timedely.c** Simple timer demo. C program.  
**timer.c** Exec support timer functions. C program.  
**timrstuf.c** More exec support timer functions. C program.  
**WhichFont.c** loads and displays all available system fonts process.i and prtbase.i assembler include files. C program.  
**autorqstr.txt** Warnings of deadlocks with auto requesters. C program.  
**consoleIO.txt** Copy of the RKM console I/O chapter. C program.  
**diskfont.txt** Warning of diskfont loading bug. C program.  
**fullfunc.txt** List of #defines, macros, functions. C program.  
**inputdev.txt** Preliminary copy of the input device chapter. C program.  
**License** Text, license information on Workbench distribution license.  
**printer** Printer pre-release copy of the chapter on printer drivers, from RKM 1.1.  
**v11fd.txt** 'diff' of .iff file changes from version 1.0 to 1.1.  
**v28v1.diff** 'diff' of include file changes from version 28 to 1.0.

## -AMICUSDisk 5-

Files from the Amiga Link / Amiga Information Network. Note that some of these files are old, and refer to older versions of the operating system. These files are from Amiga Link. For a time, Commodore supported Amiga Link, aka AIN, for online developer technical support. It was only up and running for several weeks. These files do not carry a warranty, and are for educational purposes only. Of course, that's not to say they don't work.  
**menudemo** A demo of Intuition menus called 'menudemo', in C source. C program.  
**whereis.c** Find a file searching all subdirectories. C program.  
**bobtest.c** BOB programming example. C program.  
**sweep.c** Sound synthesis example. C program.  
**Assemblerfiles**  
**mydev.asm** Sample device driver. Assembler file.  
**mylib.asm** Sample library example. Assembler file.  
**mylib.i**  
**mydev.i**  
**asmsupp.i**  
**macros.i** Assembler include files.  
**Texts**  
**amigatricks** Text, tips on CLI commands.  
**extdisk** Text, external disk specification.  
**gameport** Text, game port spec.  
**parallel** Text, parallel port spec.  
**serial** Text, serial port spec.  
**v1.1update** Text, list of new features in version 1.1.  
**v1.1h.txt** Text, 'diff' of include file changes from version 1.0 to 1.1.  
**Printer driver** Text files for building your own printer drivers, including dospecial.c, epsondata.c, init.asm, printer.c, printer.link, printertag.asm, render.c, and wait.asm.  
**IFF specs** This disk does contain a number of files describing the IFF specification. These are not the latest and greatest files, but remain here for historical purposes. They include text files and C source examples. The latest IFF spec is elsewhere in this library.

## -AMICUSDisk 6-

**DPSlide** Program, can view a given series of IFF pictures.  
**SlideShow** A 'showpic' program which can view each IFF picture file at the click of an icon.  
**ArticFox.pic** A IFF screen from ArticFox.  
**Degas.pic** A Degas dancer IFF screen.  
**Degas2.pic** A Degas dancer IFF screen.  
**Degas3.pic** A Degas dancer.  
**Degas4.pic** A Degas dancer.  
**EAguyx.pic** The guys at Electronic Arts.  
**mandrill** Agorilla in an IFF picture.  
**Horses.pic** Horses in an IFF picture.  
**King Tut** King Tut in an IFF picture.  
**Lighthouse** A lighthouse in an IFF picture.  
**MarbleMadness.pic** A screen from Marble Madness.  
**Martian** The Bugs Bunny Martian in an IFF picture.  
**MovieGuys.pic** A still from an old movie in an IFF picture.  
**MTV** The Dire Straits moving company in an IFF picture.  
**PinballConstSet.pic** A screen from Pinball Construction Set in an IFF picture.  
**Newscaster.pic** A TV newscaster in an IFF picture.  
**PaintCan.pic** The Paint Can in an IFF picture.  
**WorldMap** A world map in an IFF picture.  
**Porsche** A Porsche in an IFF picture.  
**ShuttlePatch** A shuttle mission patch in an IFF picture.  
**T.Rex** A tyrannosaurus rex in an IFF picture.  
**PolarView** A planet view in an IFF picture.  
**VisaCard** A VISA card in an IFF picture.  
**TenSpeed** A ten-speed in an IFF picture.  
**Saturn** An IFF picture.

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Starflight An IFF picture.  
Uranus An IFF picture.  
Venus An IFF picture.

## •AMICUS Disk 7•

AMICUS Disk 7 contains the Digi-View HAM demo picture disk. These are pictures from the Digi-View hold-and-modify video digitizer.  
**LollypopLady** Famous Lady with lollypop picture which caused so many people to purchase the Amiga for its graphics. An IFF picture.  
**Child Toddler** digitized forever in Amiga history, an IFF picture.  
**ComputerBlocks** An IFF image of multicolored computer composed shapes as blocks.  
**Dozer** An IFF picture of a bulldozer.  
**Horse&Buggy** Hanson cabin in an IFF picture.  
**OldMan** Shades of Santa digitized in an IFF picture.  
**PeopleCable** An IFF picture resembling an old BYTE Magazine cover.  
**Robert** Grey scale digitization of a startled young man, an IFF picture.  
**Robot** IFF picture of toy robot.  
**StatueOfLiberty** Evening view of the great lady's profile in an IFF picture.  
**Webster** The dictionary page in an IFF picture.  
**Woman&Pencil** Famous IFF image of a woman holding a pencil (seen in early Digi-View™ advertisements).  
**SavellLBM** "seelbm" program, to turn any screen into an IFF picture.  
**ShowILBM** Shows ILBM images.  
**ShowHAM** Shows HAM images.

## •AMICUSDisk8•

Browse View text files on a disk, using menus in source code and executable, a C program.  
**Crunch** Removes comments and white space from C files, in source code and as an executable, a C program.  
**IconExec** EXECUTE A series of commands from Workbench AC program in source code and as an executable.  
**PDScreenDump** C program which dumps Rastport of highest screen to printer.  
**SetAlternate** C program which sets a second image for an icon, when clicked once. In C source code and as an executable program.  
**SetWindow** C program makes windows for a CLI program to run under Workbench In source code and as an executable.  
**SmallClock** A small digital clock in a window menu bar as a C program.  
**Scripper** Perry Kivoliowitz's C program screen printer from ACv1.4 in source code and executable code.  
**AmigaBASICProgram**  
**AddressBook** A simple address book database as an AmigaBASIC Program.  
**Ball** Draws a ball, an AmigaBASIC Program.  
**Cload** An AmigaBASIC Program to convert Compuserve hex files to binary. Source code and documentation included.  
**Clue** The game, Intuition driven, an AmigaBASIC Program.  
**ColorArt** Art drawing program in AmigaBASIC.  
**DeluxeDraw** The drawing program from ACv1.3 in AmigaBASIC.  
**Eliza** Legendary conversational computer psychologist in AmigaBASIC.  
**Othello** An AmigaBASIC Program of the oriental game known as 'go'.  
**RatMaze** 3D rat maze game in AmigaBASIC.  
**ROR** AmigaBASIC boggling graphics demo.  
**Shuttle** AmigaBASIC program draws 3D pictures of the space shuttle.  
**Spelling** simple spelling program in AmigaBASIC.  
**YoYo** weird zero-gravity yo-yo demo, tracks yo-yo to the mouse, in AmigaBASIC.

## Executable programs

**3Dcube** Modula-2 demo of a rotating cube.  
**AllIcon** Sets a second icon image, displayed when the icon is clicked.  
**AmigaSpell** A slow but simple spell checker. Executable program.  
**arc** The ARC file compression program, a must-have for telecommunications. Executable program.  
**Bertrand** Graphics demo.  
**disksalvage** A program to rescue trashed disks. Executable program.  
**KwikCopy** A quick but nasty disk copy program: It ignores errors. Executable program.  
**LibDir** This program lists hunks in an object file. Executable program and documentation.  
**SavellLBM** This program saves any screen as an IFF pic. Executable program and documentation.  
**ScreenDump** A shareware screen dump program.  
**StarTerm** Version 2.0, terminal program with Xmodem.  
**Texts**  
**LatticeMain** Textfile tips on fixing \_main.c in Lattice.  
**GDiskDrive** Text file instructions to make your own 5 1/4 drive.  
**GuruMed** Text file explains the Guru numbers. This is an older file.  
**Lat3.03bugs** Text file lists bugs of Lattice C version 3.03.  
**MForgeRev** Text of a user's view of the MicroForge hard drive.  
**PrintSpooler** EXECUTE-based print spool program.  
**BMAPPiles**  
These are the necessary links between AmigaBASIC and the system libraries. To take advantage of the Amiga's capabilities in BASIC, you need these files. BMAPs are included for:

clist.bmap  
console.bmap  
diskfont.bmap  
exec.bmap  
graphics.bmap  
icon.bmap  
intuition.bmap  
layers.bmap  
mathfp.bmap  
mathieedoubas.bmap  
mathieesingbas.bmap  
mathtrans.bmap  
potgo.bmap  
timer.bmap  
translator.bmap

## •AMICUSDisk9•

### AmigaBASICPrograms

**FlightSim** A simple flight simulator program in AmigaBASIC.  
**HuePalette** An AmigaBASIC program which explains Hue, Saturation, & Intensity.  
**Requester** A requester subroutine for use in your AmigaBASIC programs.  
**ScrollDemo** Demonstrates the text scrolling capabilities of AmigaBASIC.  
**Synthesizer** A sound program in AmigaBASIC.  
**WorldMap** An AmigaBASIC program which draws a map of the world.  
**Executableprograms:**  
**Boing!** Boing! demo, with selectable speed. Executable program.  
**Brush2C** Brush2C converts an IFF brush to C data instructions, initialization code. Executable program.  
**Brush2Icon** Brush2Icon converts an IFF brush to an icon. Executable program.  
**Dazzle** A Graphics demonstration which produces patterns based on mouse movements. Executable program.  
**DeciGEL** An assembler program for stopping 68010 errors. In C source code and executable program. Documentation provided.  
**Klock** A menu-bar clock and date display. Executable program.  
**Life** The game of Life. Executable program.  
**TimeSet** An Intuition-based way to set the time & date.  
**MEMacs** Another Emacs, more oriented to word processing. In C source code and executable program, and documentation provided.  
**MyCLI** A CLI shell, works without the Workbench. In C source code and executable. Documentation provided.  
**Texts:**  
**FnctnKeys** Text file explains how to read function keys from AmigaBASIC.  
**HackerSin** Text file explains how to win the game 'hacker'.  
**Ist68010** Text guide to installing a 68010 in your Amiga.  
**PrinterTip** A text file instruction for sending escape sequences to your printer.  
**StartupTip** Text file tips on setting up your startup-sequence file.  
**XfrmReview** Text file list of Transformer programs that work.  
**PrinterDrivers**  
**CanonPJ-1080A** Printer driver for the Canon PJ-1080A.  
**CitohProwriter** Printer driver for the Citoh Prowriter.  
**Epson** An improved Epson driver that eliminates streaking.  
**Epson LQ-800** Printer driver for the Epson LQ-800.  
**Gemini Star-10** Printer driver for the Gemini Star-10.  
**NEC 8025A** Printer driver for the NEC 8025A.  
**Okidata ML-92** Printer driver for the Okidata ML-92.  
**Panasonic KX-P10xx** Printer driver for the anasonic KX-P10xx family of printers.  
**Smith-Corona D300** Printer driver for the Smith-Corona D300.  
**Install Drivers** A document describing the installation process for printer drivers.

## •AMICUS Disk 10•

### Instrument sound demos

AMICUS Disk 10 is an icon-driven Instrument sound demonstration, circulated to many dealers. It includes the sounds of an acoustic guitar, an alarm, a banjo, a bass guitar, a boink, a callopie, a car horn, claves, water drip, electric guitar, a flute, a harp arpeggio, a kickdrum, a marimba, a organ minor chord, people talking, pigs, a pipe organ, a Rhodes piano, a saxophone, a sitar, a snare drum, a steel drum, bells, a vibraphone, a violin, a wailing guitar, a horse whinny, and a whistle.

## •AMICUSDisk11•

### Cprograms

**dirutil** Intuition-based, CLI replacement manager executable as well as source code in C.  
**cp r l** cpri shows and adjusts priority of CLI processes in C source code and executable.  
**ps ps** shows info on CLI processes, in C source code and as an executable.  
**Vidtex** Vidtex displays Compuserve RLE pics in source code and as an executable.  
**AmigaBASICprograms**  
**pointerEd** A pointer and sprite editor program in AmigaBASIC.  
**optimize** An optimization example from an AC article, in AmigaBASIC.  
**calendar** A large, animated calendar, diary and date book program in AmigaBASIC.  
**amortize** Loan amortizations program in AmigaBASIC.  
**brushtoBOB** Converts small IFF brushes to AmigaBASIC BOB OBJECTS, in AmigaBASIC program.  
**grids** An AmigaBASIC program which will draw and play waveforms.  
**hilbert** An AmigaBASIC that draws Hilbert curves.  
**madlib** A mad lib story generator in AmigaBASIC.  
**mailtalk** A talking mailing list program in AmigaBASIC.  
**meadows3D** A 3D graphics program, from an AC™ article, in AmigaBASIC.  
**mousetrack** A mouse tracking example in hires mode in AmigaBASIC.  
**slot** A slot machine game written in AmigaBASIC.  
**tictactoe** The classic game written in AmigaBASIC.  
**switch** A pachinko-like game written in AmigaBASIC.  
**weird** A program written in AmigaBASIC that makes strange sounds.

### Executable programs

**cp** A UNIX-like copy command. Executable program.  
**cis** A screen clear program. Executable program and source code.  
**Diff** A UNIX-like stream editor which uses 'diff' output to fix files.  
**pm** A chart recorder performance indicators.  
**Assemblerprograms**  
**cis** A screen clear and CLI arguments example in Assembly.  
**Modula-2** trails a moving-worm graphics demo in Modula-2.  
**caseconvert** Modula-2 program which converts Modula-2 keywords to uppercase.  
**SimpleReq** An example of a custom requester from Modula-2.  
**Breshehan** A Forth program which produces a Breshehan circle algorithm example.  
**Analyze Templates** 12 templates for the spreadsheet Analyze.  
**ConvertDoodle** Converts Commodore 64 Doodle files into Amiga format.  
**ConvertKoala** Converts Commodore 64 Koala files into Amiga format.  
**ConvertPrintShop** Converts Commodore 64 PrintShop files into Amiga format.

## •AMICUS Disk 12•

### Executable programs

**blink** 'aink' compatible linker, but faster. Executable program and documentation.  
**clean** Executable program, spins the disk for disk cleaners. Documentation included.  
**epsonset** Executable program that sends Epson settings to PAR from menu. Documentation included.  
**showbig** Executable program which will view hi-res pics in low-res superbitmap. Documentation included.  
**speaktme** Speaking program which will tell the time. Executable program and documentation.  
**undelete** Executable program undeletes a file. Documentation included.  
**cnvapldhm** Executable program that converts Apple II low, medium and high res pictures to IFF. Documentation included.  
**menuEd** A menu editor that produces C code for menus. Executable program and documentation.  
**quick** A quick disk-to-disk nibble copier. Executable program and documentation.  
**quickEA** Program copies Electronic Arts disks, removes protection. Executable program and documentation.  
**txed 1.3** A demo of text editor from Microsmiths. Executable program and documentation.  
**Cprograms**  
**spin3** C program of rotating blocks as a graphics demo. In C source code and executable. Documentation included.  
**popcli** A C program that allows you to start a new CLI at the press of a button, like Sidekick. In C source code and executable. Documentation included.  
**vsprite** VSprite example C code from Commodore, S-E-D.  
**AmigaBBS** AmigaBASIC bulletin board C program.  
**Assemblerprograms**  
**star10** Assembler program, makes star fields like Star Trek intro. In C source code and executable. Documentation included.  
**MountMandelbrot** A 3D view of a Mandelbrot set.  
**StarDestroyer** A hi-res picture of the Empire's Star Wars starship.  
**Robot** A picture of a robot arm grabbing a cylinder.  
**vendors** Older text file of Amiga vendors, names, addresses.  
**cardco** Text file of fixes to early Cardco memory boards.  
**include** Text file cross-reference to C include files.  
**mindwalker** Text clues to playing the gamewell.  
**slideshow** Instructional text to produce your own slideshows from the Kaleidoscope disk.

## •AMICUSDisk13•

### AmigaBASICprograms

Routines from Carolyn Schepner of CBM Tech Support, to read and display IFF pictures from AmigaBASIC. With documentation. Also included is a program to do screen prints in AmigaBASIC, and the newest BMAP files, with a corrected ConvertFD program. With example pictures, and the SavellLBM screen capture program.  
Routines to load and play FutureSound and IFF sound files from AmigaBASIC, by John Foust for Applied Visions. With documentation and C and assembler source for writing your own libraries, and interfacing C to assembler in libraries. With example sound.  
**Executableprograms**  
**gravity** Sci Amer Jan 86 gravitation graphic simulation. In C source code and executable. Documentation included.  
**MIDI** Make your own MIDI instrument interface with documentation and a hi-res schematic picture.

## •AMICUS Disk 14•

Several programs from Amazing Computing issues:  
**Dan Kary's** C structure index program. In C source code and executable. Documentation included.  
**AmigaBASICprograms**  
**BMAPReader** by Tim Jones.  
**IFFBrush2BOB** by Mike Swinger.  
**AutoRequester** example.  
**DOSHelper** Windowed help system for CLI commands. In C source code and executable. Documentation included.  
**PETrans** translates PET ASCII files to ASCII files. In C source code and executable. Documentation included.  
**CSquared** Graphics program from Scientific American, Sept 86. In C source code and executable. Documentation included.  
**cr l f** adds or removes carriage returns from files. In C source code and executable. Documentation included.  
**dpdecode** decrypts Deluxe Paint, demo.  
**ves copy** protection. Executable program and documentation.  
**query WB** asks Yes or No from the user returns exit code. Source code and executable program.  
**vc** VisiCalc type spreadsheet, no mouse control. Executable program and documentation.  
**view** views text files with window and slider gadget. Executable program and documentation.  
**Oing, Sproing, yaBoing, Zoing** are sprite-based Boing! style demos. dln C source code and executable. Documentation included.  
**CLIClock** sClock, wClock are window border clocks. Source code, executable program, and documentation.  
**Texts** An article on long-persistence phosphor monitors, tips on making brushes of odd shapes in Deluxe Paint, and recommendations on icon interfaces from Commodore-Amiga.

## •AMICUS Disk 15•

### Cprograms

**p r** A file printing utility, which can print files in the background, and with line numbers and control character filtering.  
**f m** displays a chart of the blocks allocated on a disk.  
**Ask** questions an 'execute' file, returns an error code to control.  
**Executableprograms**

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**Stat** An enhanced version of AmigaDOS' status' command.  
**Dissolve** Random-dot dissolve demo displays IFF picture slowly, dot by dot, in a random fashion.  
**PopCLI2** Invoke new CLI window at the press of a key.  
**Executable programs**  
**Form** File formatting program through the printer driver to select print styles.  
**DiskCat** catalogs disks, maintains, sorts, merges lists of disk files.  
**PSound** SunRize Industries' sampled sound editor & recorder.  
**Iconmaker** makes icons for most programs.  
**Fractals** draws great fractal seascapes and mountainscapes.  
**3D Breakout** 3D glasses, create breakout in a new dimension.  
**AmigaMonitor** displays lists of open files, memory use, tasks, devices and ports in use.  
**Cosmoroids** A version of 'asteroids' for the Amiga.  
**Sizzlers** High resolution graphics demo written in Modula 2.  
**Texts**  
**ansi.txt** explains escape sequences the CON: device responds to.  
**FKey** includes template for making paper to sit in the tray at the top of the Amiga keyboard.  
**Spawn** Programmer's document from Commodore Amiga, describes ways to use the Amiga's multitasking capabilities in your own programs.  
**AmigaBASICprograms**  
**Grids** Draw sound waveforms, and hear them played.  
**Light** A version of the Tron light-cycle video game.  
**MigaSol** A game of solitaire.  
**Stats** Program to calculate batting averages.  
**Money** "Try to grab all the bags of money that you can."  
AMICUS 15 also includes two beautiful IFF pictures, of the enemy walkers from the ice planet in Star Wars, and a picture of a cheetah.

#### -AMICUSDisk 16-

juggler "juggler" is a demo by Eric Graham. A robot juggler bouncing three mirrored balls, with sound effects. Twenty-four frames of HAM animation are flipped quickly to produce this image. You control the speed of the juggling. The author's documentation hints that this program might someday be available as a product.  
**IFF pictures** parodies of the covers of Amiga World and Amazing Computing magazines.  
**Cprograms**  
**Inputhandler** Example of making an input handler.  
**FileZap3** Binary file editing program.  
**ShowPrint** displays IFF picture, and prints it.  
**Gen** Program indexes and retrieves C structures and variables declared in the Amiga include file system.  
**Executable Programs**  
**FixHunk2** repairs an executable program file for expanded memory.  
**ms2smus** converts Music Studio files to IFF standard 'SMUS' format. I heard this program might have a few bugs, especially in regards to very long songs, but it works in most cases.  
**Missile** Amiga version of the 'Missile Command' video game.  
AMICUS Disk 16 contains several files of scenarios for Amiga Flight Simulator II. By putting one of these seven files on a blank disk, and inserting it in the drive after performing a special command. In this game, a number of interesting locations are preset into the Flight Simulator program. For example, one scenario places your plane on Alcatraz, while another puts you in Central Park.

#### -AMICUSDisk 17-

Telecommunications disk which contains six terminal programs.  
**Comm V1.33** Termprog, with Xmodem, Wxmodem.  
**ATerm V7.2** Termprog, includes Super Kermit.  
**VT-100 V2.6** Dave Wecker's VT-100 emulator with Xmodem, Kermit, and scripting.  
**Amiga Kermit V4D(060)** port of the UNIX C-Kermit.  
**VTek V2.3.1** Tektronix graphics terminal emulator based on the VT-100 prog. V2.3 and contains latest 'arc' file compression.  
**AmigaHost V0.9** for Compuserve. Includes RLE graphics abilities & CIS-Bfile transfer protocol.  
**FixHunk** Expansion memory necessity.  
**FixObj** removes garbage characters from modem received files.  
**txt** filters text files from other systems to be read by the Amiga E. C.  
**addmem** Executable version for use with mem expansion article in AC v2.1.  
**arc** File documentation and a BASIC tutorial on un'arc'ing files.  
**arcre** for making 'arc' files E.C.

#### -AMICUS Disk 18-

**Logo** Amiga version of the popular computer language, with example programs. Executable program and documentation.  
**Tv+Text** Demo version of the TV+Text character generator.  
**PageSetter** Freely distributable versions of the updated PagePrint and PageIFF programs for the PageSetter desktop publishing package.  
**FullWindow** Resizes any CLI window using only CLI commands. Executable program and documentation.  
**Life3d** 3D version of Conway's LIFE program. Executable program and documentation.  
**Dedisk** CLI utility to re-assign a new Workbench disk. In C source code and executable. Documentation included.  
**Calendar.WKS** Lotus-compatible worksheet that makes calendars.  
**SetKey** Demo of keyboard key re-programmer, with IFF picture to make function key labels.  
**VPG** Video pattern generator for aligning monitors. Executable program and documentation.  
**HP-10C** Hewlett-Packard-like calculator. Executable program and documentation.  
**SetPrefs** Change the Preferences settings on the fly, in C source code, executable program and documentation.  
**StarProbe** Program studies stellar evolution. C source included for Amiga and MS-DOS. In C source code, executable, and documentation.  
**ROT** C version of Colin French's AmigaBASIC ROT program from Amazing Computing. ROT edits and displays polygons to create three dimensional objects.

Up to 24 frames of animation can be created and displayed. E-D  
**Scat** Like Ing, windows on screen run away from the mouse. Executable program and documentation.  
**D K** Decays the CLI window into dust, in Modula 2. In C source code, executable program and documentation.  
**DropShadow2** Adds layered shadows to Workbench windows. Executable program and documentation.

#### -AMICUS Disk 19-

AMICUS Disk 19 contains several programs from Amazing Computing. The IFF pictures on this disk include the Amiga Wake party T-shirt logo, a sixteen-color hi-res image of Andy Griffith, and five Amiga Live! pictures from the Amazing Stories episode which featured the Amiga.  
**Solve** Linear equation solver in assembly language. Source code, executable program and documentation.  
**Gadgets** Bryan Catley's AmigaBASIC tutorial. Source code and documentation.  
**Household** Bryan Catley's AmigaBASIC household inventory program. In C source code and documentation.  
**Waveform** Jim Shields' Waveform Workshop in AmigaBASIC. In C source code and documentation.  
**DiskLib** John Kennan's AmigaBASIC disk librarian program. In C source code and documentation.  
**Subscripts** Ivan Smith's AmigaBASIC subscript example. In C source code and documentation.  
**String, Boolean** C programs and executables for Harriet Maybeck Tolly's Intuition tutorials. In C source code, executable program, and documentation.  
**Skinny C** Bob Riemersma's example for making small C programs. Source code, executable program, and documentation.  
**COMAL.h** Make C look like COMAL header file. In C source code, and documentation.  
**EmacsKey** Makes Emacs function key definitions by Greg Douglas. In C source code, and documentation.  
**AMon 1.1** Snooper system resource use. Executable program and documentation.  
**BTE** Bard's Tale character editor. Executable program and documentaion.  
**Size** CLI program shows the size of a given set of files. Executable program and documentation.  
**WinSize** CLI window utility resizes current window. In C source code, executable program, and documentation.

#### -AMICUSDisk 20-

Compactor, Decoder Steve Michel AmigaBASIC tools. In C source code and documentation.  
**BobEd** BOB and sprite editor written in C. In C source code, executable program and documentation.  
**SpriteMasterII** Sprite editor and animator by Brad Kiefer. Executable program and documentation.  
**BlitLab** Blitter chip exploration C program by Tomas Rokicki. In C source code, executable program and documentation.  
**FPic** Image processing program by Bob Bush loads and saves IFF images, changes them with several techniques. Executable program and documentation.  
**Bankn** Complete home banking program, balance your checkbook! Executable program and documentation.

#### -AMICUSDisk 21-

Target Makes each mouse click sound like a gunshot. In C source code, executable program and documentation.  
**Sand** Simple game of sand that follows the mouse pointer. Executable program and documentation.  
**PropGadget** Harriet Maybeck Tolly's proportional gadget example. Source code and executable.  
**EHB** Checks to see if you have extra-half-bright graphics. In C source code, executable program and documentation.  
**Piano** Simple piano sound program.  
**CelScripts** Makes cel animation scripts for Aegis Animator, in AmigaBASIC.  
AMICUS Disk 21 also contains electronic catalogs for AMICUS disks 1 to 20 and Fish disks 1 to 80. They are viewed with the DiskCat program, included here.

#### -AMICUSDisk 22-

Cycles Light cycle game. Executable program and documentation.  
**Show\_PrntII** Views and prints IFF pictures, including larger than screen.  
**PrtDrvGen2.3** Latest version of a printer driver generator.  
**Animations** VideoScape animations of planes and boing ball.  
**Garden** makes fractal gardenscapes.  
**BASICSorts** Examples of binary search and insertion sort in AmigaBASIC.

#### -AMICUS Disk 23-

An AMICUS disk completely dedicated to music on the Amiga. This disk contains two music players, songs, instruments, and players to bring the thrill of playing "Big Sound" on your Amiga.  
**Instruments** A collection of 25 instruments for playing and creating music. The collection ranges from Cannon to Marimba.  
**List INSTR** Program to list the instruments DMCS will not load as well as list the origins for any instrument.  
**Music** A collection of 14 Classical pieces.  
**1812Overture** The 16 minute classical feature complete with Cannon!  
**ThreeAmiga Music Players:**  
**SMUSPlay**  
**MusicCraft2SMUS**  
**MusicStudio2SMUS**  
  
**-AMICUS Disk 24-**  
**Sectorama** A disk sector editor for any AmigaDOS file-structured device, recover files from a trashed hard disk. By David Joiner of MicroIllusions.  
**Iconize** Reduces the size of IFF images, companion program. Recolor, remaps the palette colors of one picture to use the palette colors of another. Using these programs and a tool to convert IFF brushes to Workbench icons, make icons look like miniatures of the pictures.  
**CodeDemo** Modula-2 program converts assembler object files to inline CODE

statements. Comes with a screen scrolling example  
**AmiBug** Workbench hack makes the same fly walk across the screen at random intervals. Otherwise, completely harmless.  
**BNTools** Three examples of assembly language code from Bryce Nesbitt:  
1. **SetLace**, prog to switch interlace on/off.  
2. **Why**, replace AmigaDOS CLI Why  
3. **Loadit**, prog to load a file into memory until a reboot. (Only the most esoteric hackers will find Loadit useful.)  
**Monolace** CLI program resets Preferences to several colors of monochrome & interlace screens. C source is included, works with DisplayPref, a CLI program which displays the current Preferences settings.  
**BoingMachine** A ray-traced animation of a perpetual motion Boing-making machine, includes the latest version of the Movie program, which has the ability to play sounds along with the animation. By Ken Offer.  
**Daisy** Example of using the translator and narrator devices to make the Amiga talk. It is written in C.  
**QuickFlux** Script-driven animation and slideshow program flips through IFF images.  
**BMon** System monitor AmigaBASIC program; perform simple manipulations of memory.  
**Moose** Random background program, a small window opens with a moose resembling Bullwinkle saying witty phrases user definable.  
**DGCS** Deluxe Grocery Construction Set, simple Intuition-based prog for assembling and printing a grocery list.  
**TheVirus Check directory** holds several programs relating to the software virus that came to the US from pirates in Europe as detailed in Amazing Computing V2.12. Bill Koester's full explanation of the virus code is included. One program checks for the software virus on a Workbench disk, the second program checks for the virus in memory, which could infect other disks.

#### -AMICUSDisk 25-

Nemesis Graphics demo pans through space towards the mythical dark twin of the sun with wonderful music and space graphics.  
**TheKickPlay directory** holds text that describes several patches to the Kickstart disk. For Amiga 1000 hackers who feel comfortable patching a disk in hexadecimal. KickPlay offers the chance to automatically do an ADDMEM for old expansion memory, as well as the ability to change the picture of the "Insert Workbench" hand. A program is also included for restoring the correct checksum of the Kickstart disk.  
**KeyBird** BASIC prog edits keymaps, adjust the Workbench keymaps or create your own.  
**8ColorWB** Modifies the Workbench so three bitplanes are used, icons can have eight colors, instead of four, eight-color icons are included. Public domain program "zapicon" or "brush2icon" converts eight-color IFF brushes to icons, to use Deluxe Paint to make icons for this new Workbench.  
**Brushicon** Converts brushes to icons (bizzard docs).  
**Egraph** Graphing prog reads [x,y] values from a file and displays them on the screen, similar to the same-named UNIX program.  
**Keep 1.1** Message-managing program for telecommunications, lets you save messages from an online transcript to another file, understands the message format of the national networks and several types of bulletin board software. Moves through the transcript and save messages.  
**Kill, fastdir** Speed up directory access, it creates a small file in each directory on a disk which contains the information about the files, will also remove all the "fastdir" files from each directory. By CLimate's authors.  
**TheLaceWB program** changes between interlace and non-interlace Workbench. Previously, you were forced to reboot after changing Preferences to an interlaced screen. This program flips between the normal and extended screen heights.  
**PW\_Utility** A shareware utility for ProWrite users, changes margin settings and font types.  
**Guru** A CLI program, prints out probable causes for Guru mediations. C source included.  
**DiskWipe** Latest from Software Distillery, removes files from directories or disk drives, much faster than "delete."  
**Snow** AmigaBASIC makes snowflake designs.  
**MList** Mailing list database.  
**Softballstats** Maintain softball statistics/ team records.  
**Dodge** Short Modula-2 program moves the Workbench screen around after a period of time, prevents monitor burn-in.

#### -AMICUS Disk 26-

Todor Fay's SoundScape module code from his Amazing Computing articles. The source to Echo, Chord, TX, and VU is included. The Lattice and Manx C source code is here, along with the executable modules.  
**Claz2** Update of prog to convert IFF images to PostScript files for printing on laser printers.  
**SDBackup** Hard disk backup prog with Lempel-Ziv compression to reduce the necessary number of disks.  
**TCB** Prints information about tasks and processes in the system; assembler source is included.  
**FunBut** Lets a function key act like a rapid series of left mouse button events.  
**DC** A handy program for people who use an Amiga 1020 5 1/4 inch drive as an AmigaDOS floppy. A Workbench program that sends a DiskChange signal to the operating system. Instead of typing "diskchange dt2:" over and over again, just click on the icon. C source included.  
**Systemconfig** File makes screen 80 columns wide of text in the Scribble! word processor.  
**Dick2RAM** 2 programs to move the Scribble! spelling dictionary to and from the RAM disk.  
**Lexical** Analyzes a text file and gives the Gunning-Fog, Flesch, and Kincaid indices which measure readability.  
**HexDump** Modula-2 program to display memory locations in hexadecimal.  
**Tartan** AmigaBASIC, design Tartan plaids.  
**DirMaster** Disk catalog program.  
**B M P** plays 8SVX sampled sounds in the background while something else is happening in the Amiga.  
**ShowPt** CLI program changes your pointer to a given pointer.  
**MousePointers etc.** AMICUS 26 also contains a collection of mouse pointers, & Workbench program to display them.

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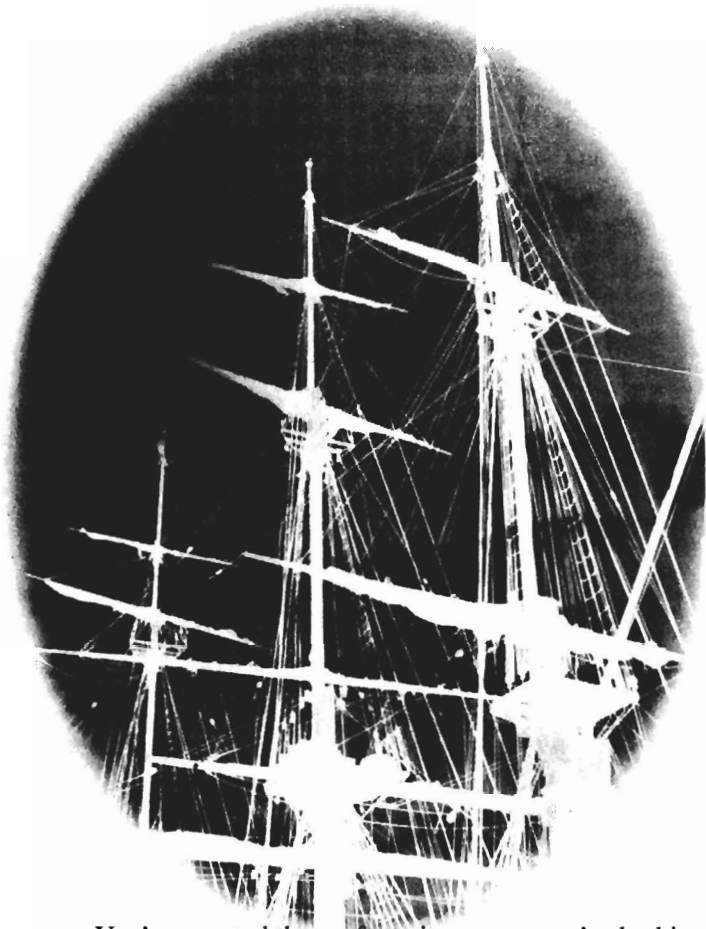
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"Getting Started in Video", by Richard Starr  
"Executing Batch Files in AmigaBASIC", by Mark Aydelotte  
"Building a Better String Gadget", by John Bushakra

❖ Vol. 4 No. 9, September 1989

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"Digitizing Color Slides And Negatives on the Amiga", by Ron Gull  
"Improving Your Graphics Programming", by R. Martin  
"Cell Animation In Modula-2", by Nicholas Cirasella

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## Highlights include:

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"More requesters in AmigaBASIC", by John Wiederhirn

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"A CLI Beginner's Questions Answered", by Mike Morrison

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## Highlights include:

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"Menu Builder", by T. Preston  
"Facing the CLI", Disk structures and startup-sequences, by Mike Morrison

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"A Beginner's Guide to Desktop Publishing On The Amiga", by John Steiner  
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"Call Assembly Language from BASIC", by Martin F. Combs

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"Handling Gadget & Mouse IntuiEvents", More gadgets in Assembly, by Jeff Glatt  
"Ham Bones", by Robert D'Asto

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"Do It By Remote", by Andre Theberge  
"Rounding Off Your Numbers", by Sedgewick Simons Jr.

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"Convergence", Part 5 of the Fractal series, by P. Castonguay  
"C++: An introduction to object-oriented Amiga programming", by Scott B. Steinman  
"APL and The Amiga: Primitive Functions and Their Execution", by Henry T. Lippert

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## Highlights include:

"Apples, Oranges, and MIPS: 68030-based Accelerators For The Amiga 2000", by Ernest P. Viveiros, Jr.  
"Crunchy Frog II", by Jim Fiore  
"Getting to the Point: Custom Intuition Pointers In AmigaBASIC", by Robert D'Asto

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"Feeding The Memory Monster", the ICD AdRAM 540 and AdRAM 560D, review by Ernest P. Viveiros, Jr.  
"Making A Name For Yourself", Creating logos on the Amiga, by Frank McMahon

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"The Animation Studio", Disney's classic approach in a character animation program, by Frank McMahon  
"Forensic Animation", the Amiga helps out in the courtroom, by Andrew Lichtman

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"More Ports For Your Amiga", by Jeff Lavin  
"Medley", A look at different types of music software available, by Phil Saunders

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"Ultrasonic Ranging System", the sonar system project continues by John Iovine  
"Writing Faster Assembly Language", by Martin F. Combs

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"Lauren in Disguise", workaround to DeluxPaint III's lack of HAM support, by Merrill Callaway  
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"CDTV", a comprehensive look at Commodore's hottest item  
"HAM-E", 24-bit color video board, by David Johnson  
"Professional Page 2.0", by Rick Broida

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"Proper Grammar", a review of a comprehensive spell and grammar checker by Paul Larivée  
"PageStream", by John Steiner  
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"Understanding Genlocks" by Matt Drabick  
"Super 8 Meets the Amiga", easy film-to-video transfer with the addition of Amiga graphics, by Patrik Beck  
"Looking Good with B.A.D." by Rick Manasa

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## Highlights include:

"Bars&Pipes Professional", a review by Phil Saunders  
"Frame Buffer Face-Off", by Frank McMahon  
"DynaCADD", a review by Doug Bullard  
Plus: Special reports on Multimedia applications

❖ Vol. 6 No. 10, October 1991

## Highlights include:

"Art Department Professional", by Merrill Callaway  
"ShowMaker", beyond desktop video, by Frank McMahon  
"APL and the Amiga", by Henry Lippert  
Plus: An ARexx double feature and a special education section

❖ Vol. 6 No. 11, November 1991

## Highlights include:

"Connecting Your Amiga to the Sharp Wizard", by Miguel Mulet  
"Epson 300c Flat Bed Scanner", review by Merrill Callaway  
"Impact Vision 24", by Frank McMahon  
"Why Should You Use the CLI?", by Keith Cameron

❖ Vol. 6, No. 12, December, 1991

## Highlights Include:

"Audition 4", by Bill frazier  
"Draw 4D Pro", the latest update to Draw 4D, by R. Shammis Mortier  
"Newsletter Basics", by Pat Kaszycki  
"AmigaDOS for the Beginner", by Keith Cameron  
ALSO: Coverage of AmiEXPO Oakland and the Koln, Germany show!

❖ Vol. 7, No. 1, January, 1992

## Highlights Include:

"Memories", A500 memory expansion, by Sam Ammons  
"Getting the most from your RAMdisk", by Keith Cameron  
"Installing and Using an IBM mouse with Your Amiga", by Phillip R. Combs  
"DePuzzle", by Scott Palmateer  
"ZipTerm", by Doug Thain  
ALSO: Coverage of Germany's Amiga '91 and London's World of Commodore shows.

❖ Vol. 7, No. 2, February, 1992

## Highlights Include:

"Deduct That Interest with FC CALC", by Rick Manasa  
"Finding the Right Multimedia Fit", by Dave Spitler  
"Images in Dentistry", by Ken Larson  
"Signmaking on the Amiga", by Karen Pringle  
"Perfect Pages", how to produce PostScript-quality pages without buying a PostScript laser printer.  
ALSO: Coverage of Toronto's World of Commodore Show

❖ Volume 7, No. 3, March 1992

## Highlights include:

"Deluxe Paint IV", review by Shammis Mortier  
"Miracle Piano Teaching System", review by Christopher Piper  
"Semi-Automatic Painting", recursive tutorial by Kevin Lude  
And, an extensive look at graphic design on the Amiga

❖ Volume 7, No. 4, April, 1992

## Highlights include:

"ATonce Plus", review by Rich Mataka  
"Art Department Professional v2.0", review by Merrill Callaway  
"Producing a Video", a tutorial by D.L. Richardson  
ALSO: A look at the world of Amiga video

Volume 7, No. 5, May, 1992

## Highlights include:

"The Big Three in DTP", a look at the top three DTP programs by Rich Mataka  
"AdIDE/40", review by Merrill Callaway  
PLUS: Desktop Publishing Amiga-style! The complete world of Amiga DTP.

❖ Vol.7 No. 6 June, 1992

## Highlights include:

"CDTV Consortium," four essential CD-ROMs for CDTV, by Timothy Duarte  
"Make a ToDo List with Foundation," keep track of your obligations sorted by day of the week, by Dave Spitler  
"Multi-Image to Mutimedia," an Amiga system used for live projected multimedia, by David Bailey  
"Graphs of the Forgotten Kind," produce any type of graphical plot, by Robert F. Arneson

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call:**

**1-800-345-3360**

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# Users Groups

## ALASKA

**Amiga Users Group of Alaska AUGA**  
**Meeting Place:** ARCO Tower, 7th and G Sts.  
 Anchorage  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
 Contact: John Olson (907) 345-0383  
 (907) 337-4136 BBS  
**Mailing address:** P.O. Box 211511  
 Anchorage, AK 99521-1511

## ALABAMA

**Birmingham Commodore Comp Club**  
**Meeting Place:** UAB (room 153)  
 901 14th Street, South Birmingham  
**When:** 2nd & 4th Sun, 2 PM  
**Interests:** Amiga/Commodore  
 Contact: Rusty Hargett (205) 854-5172 (after 6PM)

**Commodore Amiga Society of Montgomery CASM**  
**Meeting Place:** First Alabama Bank  
**When:** 3rd Sat, 9 AM  
**Interests:** Amiga  
 Contact: Steve Winkler (205) 281-7392

**Coosa Valley Commodore Club**  
**Meeting Place:** Garden State Community College  
 Technical Division  
 Jarvis Hall, Gadsden  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Tommy Robertson (205) 549-0908

**Hacks**  
**Meeting Place:** West Lawn Middle School  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Raymond Patterson  
 (205) 883-8398  
**Mailing address:** P.O. Box 14356  
 Huntsville, AL 35815

**Scottsboro Commodore UG**  
**Meeting Place:** Page School-Lunchroom  
**When:** 2nd Tue  
**Interests:** Amiga/Commodore  
 Contact: Richard Radon (205) 574-1830  
**Mailing address:** Rte. 5, P.O. Box 255  
 Scottsboro, AL 35768

## ARKANSAS

**Commodore Computer Club**  
**Meeting Place:** Westark Community College  
 Fort Smith  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Steve Caperton

**Hot Springs Commodore UG**  
**Meeting Place:** AP&L Bldg  
 324 Malvern Ave, Hot Springs  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Julie Cathcart (501) 624-5115

**Northwest Arkansas Amiga Users Group**  
**Meeting Place:** Jim's Razor Back Pizza  
 US 412, Springfield  
**When:** 2nd Sun, 2 PM  
**Interests:** Amiga  
 Contact: Peter Laws (501) 443-2598

**Ark: Amiga**  
**Meeting Place:** St. Vincent Infirmary Medical Center,  
 La Harpe Room  
 Little Rock  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga  
 Contact: Greg Eanes (501) 666-8934  
**Mailing address:** c/o Greg Eanes  
 1508 Winslow Drive, Little Rock, AR 72207-6120

## AUSTRALIA

**CAUSE**  
**Meeting Place:** Seventh Day Adventist Church Hall  
 3 Macleay St, Turner  
**When:** 2nd Thur, 8 PM  
**Interests:** Amiga  
 Contact: John Buttle (011) 616-251-4141  
 (011) 616-255-1469 BBS

**Computer Users Groups of Australia**  
**Meeting Place:** St. Peters Lutheran Church Hall  
 Hadley & Grand St Pittsworth, Qld  
**When:** 1st Sat  
**Interests:** Amiga

## ARIZONA

**AmAz!**  
**Meeting Place:** New Glendale Public Library, 5959  
 W. Brown St.  
 Glendale, AZ  
**When:** 3rd Wed, 7-8:30 PM  
**Interests:** Amiga  
 Contact: Mel Elliot  
 (602) 931-1117 (602) 843-6574 BBS  
**Mailing address:** Amiga Arizona, P.O. Box 82371  
 Phoenix, AZ 85071

**Arizona Amiga User Group**  
**AAUG**  
**Meeting Place:** Pyle Adult Recreation Center Tempe  
**When:** 2nd Fri, 7 PM  
**Interests:** Amiga  
 Contact: Myron Lieberman or Stan Skirvin  
 (602) 967-4054 (602) 948-2515  
**Mailing address:**  
 P.O. Box 907, Tempe, AZ 85281

**Catalina Commodore Computer Club**  
**CCCC**  
**Meeting Place:** Madonna Hall, 1947 E. Adams,  
 Tucson  
**When:** 3rd Sat, 10 AM  
**Interests:** Amiga, Commodore  
 Contact: Tom D'Angelo  
 (602) 296-5076  
**Mailing address:**  
 P.O. Box, Tucson, AZ 85751-2548

**Metro Amiga Computer Resource**  
**MACRO**  
**Meeting Place:** Metro Tech Vocational Institute  
 1900 W. Thomas Rd. Lecture Hall Rm. 1101 Phoenix  
**When:** 1st Thur, 6:30 PM  
**Interests:** Amiga  
 Contact: Joe Benedetto  
 (602) 938-8050  
**Mailing address:**  
 P.O. Box 11681  
 Phoenix, AZ 85061-1681

**Prescott Area Commodore Club**  
**Meeting Place:**  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Dion Vankirk  
 (602) 778-7893  
**Mailing address:**  
 P.O. Box 4019  
 Prescott, AZ

**Albury Wodonga CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 P.O. Box 1014  
 Albury, NSW 2640  
 Australia,

**Amiga Burwood UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga Burwood UG  
 P.O. Box 308  
 Burwood, NSW 2134,  
 Australia

**Amiga UG (Vic) Inc**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga UG (Vic) Inc  
 P.O. Box 48  
 Boronia, VIC 3155,  
 Australia

**Amiga UG of NT**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga UG of NT  
 P.O. Box 3895  
 Winnellie, NT 0821,  
 Australia

**Amiga UG of SA**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga UG of SA  
 P.O. Box 10131  
 Adelaide, SA 5001,  
 Australia

**Amiga UG of WA Inc.**  
**Meeting Place:** Curtin University, Bentley  
**When:** 2nd Tues, Tutorials every Friday  
**Interests:** Newsletter: AUGMENT  
 Contact: Bill Charpe-Smith, President  
 (011) 619-362-3539 B. Charpe-Smith  
 (011) 619-279-2778 Arthur Rutland  
**Mailing address:**  
 Amiga UG of WA Inc.  
 P.O. Box 595  
 Cloverdale, WA 6105,  
 Australia

**Amiga User Group of Western Australia Inc.**  
**AUGWA**  
**Meeting Place:** Curtin University, Bentley  
**When:** 2nd Tues  
**Interests:** Amiga  
 Contact: Bill Sharpe-Smith  
 (011) 619-362-3539  
 (011) 619-275-4689 FAX  
**Mailing address:**  
 Amiga Users Group of W.A. Inc.  
 P.O. Box 595  
 Cloverdale W.A. 6105

**Armidale Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Armidale Amiga UG  
 3/217 Beardsy Street  
 Armidale, NSW 2350,  
 Australia

**Australian Amiga UG**  
**Meeting Place:**  
**When:** 2nd Sat  
**Interests:** Publication: Australian Amiga  
 (011) 6176-932-198  
**Mailing address:**  
 Australian Amiga UG  
 P.O. Box 1386  
 Toowoomba, QLD 4350,  
 Australia

**Australian Amiga Users Association**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Australian Amiga Users Association  
 P.O. Box 389  
 Penrith, NSW 2750,  
 Australia

**Balaclava UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Balaclava UG  
 3/2 Almond Avenue  
 Brooklyn, VIC 3025,  
 Australia

**Barossa UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Barossa UG  
 RSD Box 1 Daveyston  
 Greenock, SA 5300,  
 Australia

**Border District CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Border District CUG  
 P.O. Box 536  
 Wodonga, VIC 3090,  
 Australia

**Brisbane Amiga UG Inc**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Brisbane Amiga UG Inc.  
 Lot 4 Lindsay Road  
 Morayfield, QLD 4500,  
 Australia

**Bundaberg CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Bundaberg CUG  
 P.O. Box 1599  
 Bundaberg, QLD 4670,  
 Australia

**Burnie Commodore Amiga UG**  
**Meeting Place:** Mooreville Road campus of TAFE  
**When:** 2nd Tues, (except school holidays)  
**Interests:** Newsletter: B.C.A.U.G. News  
 Contact: Clyde McLennen, President  
**Mailing address:**  
 Burnie Commodore Amiga UG  
 P.O. Box 471  
 Burnie TAS 7320,  
 Australia

**CRICUG**  
**Meeting Place:** VRI Hall Stewart Street  
 Braybrook  
**When:** 3rd Sun, 7:30 PM  
 Contact: Rod Mason, President  
 (011) 613-314-5677 Steve Riepsamen  
 (011) 613-306-4063 Rod Mason

**CUG (VIC)**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 CUG (VIC)  
 1 Argyle Street  
 Gladstone, VIC 3140,  
 Australia

**CUG of Australia**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 CUG of Australia  
 P.O. Box 166  
 Pittsworth, QLD 4350,  
 Australia

**Canberra Amiga Users Society**  
**CAUSE**  
**Meeting Place:** Canerra Workers Club  
**When:** 2nd Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Paul Martin  
 (011) 616-253-2121  
**Mailing address:**  
 GPO Box 596  
 Canberra City  
 ACT 2601 Australia,

**Canberra UG ACT Inc.**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Canberra UG ACT Inc.  
 P.O. Box 409  
 Curtin, ACT 2005,  
 Australia

**Commodore CUG (WA)**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore CUG (WA)  
 234 Balcatta Road  
 Gwelup, WA 6021,  
 Australia

**Commodore CUG Inc**  
**CCUG Inc**  
**Meeting Place:**  
**When:**  
**Interests:** Cursor-Newsletter  
 Contact: Greg Perry, President  
 (011) 617-366-3295 Greg Perry  
 (011) 617-209-9084 Mike Williams  
 (011) 617-808-7694 BBS  
**Mailing address:**  
 Commodore CUG Inc.  
 P.O. Box 274  
 Springwood, QLD 4127,  
 Australia

**Commodore Computer Club WA**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore Computer Club WA  
 P.O. Box 146  
 Willetton, WA 6155,  
 Australia

**Commodore Hornsby UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore Hornsby UG  
 P.O. Box 1578, Hornsby  
 Northgate, NSW 2077,  
 Australia

# Users Groups

**CommodoreUG Mackay**  
**Meeting Place:** Mackay & District Education Center  
 North Mackay  
**When:** 2nd Wed, 7:30 PM  
**Contact:** Trevor Johnston  
 (011) 617-959-8417  
**Mailing address:**  
 CommodoreUG Mackay  
 P.O. Box 422  
 Mackay, QLD 4740,  
 Australia

**Compu-Tech Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Compu-Tech Computer Club  
 15 Hazelton Grove  
 Gateshead, NSW 2290,  
 Australia

**Cooma AmigaUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Cooma AmigaUG  
 P.O. Box 409  
 Cooma, NSW 2630,  
 Australia

**DinglyCUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 DinglyCUG  
 1 Hazelwood Close  
 Dingley, VIC 3172,  
 Australia

**East Coast Amiga**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 East Coast Amiga  
 P.O. Box 344  
 Gosford, NSW 2250,  
 Australia

**Eastern Suburbs CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Eastern Suburbs CUG  
 P.O. Box 236  
 Botany, NSW 2019,  
 Australia

**Eastern Suburbs EightyUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Eastern Suburbs EightyUG  
 17 Douglas Avenue  
 Box Hill South, VIC 3128,  
 Australia

**Gladstone AmigaUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Gladstone AmigaUG  
 P.O. Box 1390  
 Gladstone, QLD 4600,  
 Australia

**HedlandCUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 HedlandCUG  
 5a Baler Close  
 South Hedland, WA 6722,  
 Australia

**IpswichCUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 IpswichCUG  
 P.O. Box 252  
 Ipswich, QLD 4305,  
 Australia

**Knoxcom Incorporated**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Knoxcom Incorporated  
 P.O. Box 2000  
 Ferntree Gully, VIC 3156,  
 Australia

**MacQuarie Fields UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 MacQuarie FieldsUG  
 32 Rosewood Drive  
 MacQuarie Fields NSW 2564,  
 Australia

**Melbourne Commodore Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Melbourne Commodore Computer Club  
 P.O. Box 177  
 Box Hill, VIC 3128,  
 Australia

**Moe CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Moe CUG  
 20 Edward Crescent  
 Traralgar, VIC 3824,  
 Australia

**Mount Isa AmigaUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Mount Isa AmigaUG  
 P.O. Box 1722  
 Mount Isa, QLD 4825,  
 Australia

**Newcastle CUG**  
**Meeting Place:** Charlestown Public Library  
 Ridley Street, Charlestown  
**When:** 4th Tues, 7 PM  
**Interests:** Newsletter: VICTIM  
**Contact:** Marcus Graham or Sue Slack  
 (011) 6149-634-952  
 (011) 6149-471-118  
**Mailing address:**  
 Newcastle CUG  
 4/13 Smart Street  
 Charlestown, NSW 2290,  
 Australia

**Northern AmigaUG**  
**Meeting Place:**  
**When:**  
**Interests:** Newsletter of the Northern Amiga User  
 Group  
**Contact:** Marc Katona, President  
**Mailing address:**  
 Northern AmigaUG  
 P.O. Box 1722  
 Mount Isa, QLD 4825,  
 Australia

**PenrithCUG**  
**Meeting Place:** Victoria Street Community Cottage  
 Victoria St., Werrington  
**When:** 3rd Wed, 7:30 PM  
**Contact:** Gary Bull, President  
 (011) 612-670-3207  
 (011) 612-623-4258 after 5  
**Mailing address:**  
 Penrith CUG  
 42 Alpine Circuit  
 St. Clair, NSW 2759,  
 Australia

**Perth Commodore & AmigaUG**  
**Meeting Place:** Les Hansman Centre, 246 Walter  
 Road  
 Morley  
**When:** Every Thurs, 7-9:30 PM  
**Contact:** John Roe  
 (011) 619-276-6287  
**Mailing address:**  
 Perth Commodore & AmigaUG  
 22 Marriot Way  
 Morley WA 6062,  
 Australia

**RAAF Richmond Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 RAAF Richmond Computer Club  
 C/-CTS, SSSRIC, RAAF Base  
 Richmond, NSW 2755,  
 Australia

**S.A.C.C.U.G.**  
**Meeting Place:** North Adelaide Primary School Tynte  
 Street  
 North Adelaide  
**When:** 1st & 3rd Mon, 7:30 PM  
**Interests:** Newsletter: Bits and Bytes  
**Contact:** Glenn, President  
**Mailing address:**  
 S.A.C.C.U.G.  
 P.O. Box 427  
 North Adelaide SA 5006,  
 Australia

**Shepparton Commodore Computer Club**  
**Meeting Place:** Guide Hall Center of Nixon & Skene  
 Street  
 Shepparton  
**When:** Fortnightly on Sun, 7:30-9:00 PM  
**Contact:** Val Hutchinson

**Singleton AmigaUG**  
**Meeting Place:** Staff Room of the Singleton Heights  
 Public School  
**When:** 2nd Wed, 7 PM  
**Contact:** Ken Gate, Chairman  
**Mailing address:**  
 Singleton AmigaUG  
 22 Falkiner Crescent  
 Singleton Heights,  
 NSW 2330 Australia

**Southern Districts CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Southern Districts CUG  
 1 Birubi Way  
 Morphet Vale, SA 5162,  
 Australia

**Stawell CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Stawell CUG  
 P.O. Box 299  
 Stawell, VIC 3380,  
 Australia

**Sydcom**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Sydcom  
 GPO Box 1542  
 Sydney, NSW 2001,  
 Australia

**Tasmanian AmigaUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Tasmanian AmigaUG  
 6A Hamilton St.  
 Launceston, TAS 7250,  
 Australia

**Tasmanian Commodore Users Association**  
**Meeting Place:** Glenorchy Derwent Regional Library,  
 Terry Street, Glenorchy  
**When:** 7:30 PM  
**Interests:** Newsletter: Discourse  
**Contact:** Kaz Paul, President  
**Mailing address:**  
 Tasmanian Commodore Users Association  
 P.O. Box 673 GPO  
 Hobart, TAS,  
 Australia

**The Amiga Users Group Inc.**  
**Meeting Place:** Victoria College, Burwood Campus,  
 Theatre 1  
**When:** 3rd Sun, 2 PM  
**Interests:** Amiga  
**Contact:** L.A. Beranek  
 (011) 613-527-1995  
 (011) 613-376-3887 BBS  
 (011) 613-376-7375 BBS  
**Mailing address:**  
 P.O. Box 684E  
 Melbourne,  
 3001 Australia

**Tuggerah LakesCUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Tuggerah Lakes CUG  
 P.O. Box 2257  
 Gosford, NSW 2250,  
 Australia

**VK CommodoreUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 VK CommodoreUG  
 P.O. Box 168  
 Launceston, TAS 7467,  
 Australia

**VRICUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 VRI CUG  
 P.O. Box 253  
 Glenroy, VIC 3040,  
 Australia

**West Coast CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 West Coast CUG  
 8 Hurst Street  
 Queenstown, TAS 7467,  
 Australia

**WhyallaCUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Whyalla CUG  
 P.O. Box 2367  
 Whyalla (Norrie), SA 5608,  
 Australia

**Wollongong AmigaUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Wollongong AmigaUG  
 42 Heaslip Street  
 Coniston, NSW 2500,  
 Australia

**Yarra Valley CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Yarra Valley CUG  
 P.O. Box 170  
 Lilydale, VIC 3140,  
 Australia

## BRAZIL

**Synthesis**  
**Meeting Place:** 30260 Belo Horizonte MG  
**When:** Weekends  
**Interests:** Amiga  
**Contact:** Alvaro Angelo  
 5531-467-1480  
**Mailing address:**  
 Rua Euclasio 357/503  
 30260 Belo Horizonte  
 MG, Brazil,

## CALIFORNIA

**3D Art Forum International**  
**Meeting Place:** Westside Pavilion Community room  
 behind 3rd flr food court  
 West Los Angeles  
**When:** 3rd Sun, 2:30-6 PM  
**Interests:** 3-D Amiga programs  
**Contact:** Victor Osaka  
 (310) 398-7649  
**Mailing address:**  
 1341 Ocean Ave.  
 Suite 349  
 Santa Monica, CA 90401

**64 More Commodore UG**  
**Meeting Place:** Milpitas Public Library  
 Milpitas  
**When:** 2nd Sat, 10 AM  
**Interests:** Amiga/Commodore  
**Contact:** Ralph M. Ingraham

**AMIGA Group Enthusiasts of Fresno**  
**AGE**  
**Meeting Place:** CA State University at Fresno,  
 McLane Hall, Room 161  
**When:** 2nd Sat, 9:00 AM  
**Interests:** Amiga  
**Contact:** Rodney T. Will, President  
 (209) 266-1129  
 (209) 226-7162 BBS  
**Mailing address:**  
 P.O. Box 252  
 Fresno, CA 93708

**ASCI**  
**Meeting Place:** Rancho Cucamonga Br Library  
 9191 Base Line Rd, Rancho Cucamonga  
**When:** 1st & 3rd Thur, 6:30 PM  
**Interests:** Commodore  
**Contact:** Josh Jacoby  
 (714) 989-6041

**AWEST**  
**Meeting Place:** Computer Showcase, 2739 Geary  
 Blvd.  
 San Francisco  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
**Contact:** Jamie Pandover  
 (415) 584-8406

**Amiga Friends**  
**Meeting Place:** Rancho Santiago College  
 17th & Bristol Rm R-124, Santa Ana  
**When:** 3rd Sun, 1-4 PM except during Dec, 2nd Sun  
**Interests:** Amiga  
**Contact:** Sam Noonan  
 (714) 775-7237  
 (714) 870-4754 BBS  
 (714) 870-6594 BBS  
**Mailing address:**  
 P.O. Box 4186  
 Huntington Beach, CA 92605-4186

**Amiga Science and Technology Users Group**  
**ASCITEC**  
**Meeting Place:** Lockhead Missiles & Space Co  
 (Sunnyvale)  
 Los Altos  
**When:** 2nd Thur, 5 PM  
**Interests:** Amiga, Scientific

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# Users Groups

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Contact: Dr. Patrick Bailey  
(415) 960-9399  
**Mailingaddress:**  
ASCITEC  
P.O. Box 201  
Los Altos, CA 94023-0201

**AmigaTechUG1and2**  
**ATUG**  
**MeetingPlace:**Michaelangelo's 552 W. Arrow Hwy., San Dimas;  
Glendale Federal Savings, Monrovia On the corner of Myrtle and Colorado  
**When:** ATUG 1 Last Tues, 7 PM ATUG2 Third Sat, 1 PM  
**Interests:**Amiga  
Contact: Chris Marple  
(714) 621-9814  
(818) 966-5099 BBS  
**Mailingaddress:**  
184 Villanova Dr.  
Claremont, CA 91711

**AmigaUGofLongBeach**  
**MeetingPlace:**Huntington National Bank  
9025 E. Artesia (Bellflower), Bellflower  
**When:** 1st Mon, 7PM; 2nd Sat, 1 PM; 3rd Sun, 1PM; 3rd Mon, 7 PM  
**Interests:**Amiga  
Contact: Larry Blair  
(213) 422-8226  
**Mailingaddress:**  
P.O. Box 228  
Long Beach, CA 90802-0228

**AmigaVideo-GraphicsGuild**  
**MeetingPlace:**The Meeting Place, Fallbrook Mall, Shoup Ave. San Fernando Valley  
**When:** 2nd Sat, 1:30-4:45  
**Interests:**Amiga, video and graphics  
Contact: Geoffrey Williams, Director  
(805) 520-9686  
**Mailingaddress:**  
AVG  
Geoffrey Williams, Director  
1649 Arcane Street,  
Simi Valley, CA 93065

**C.O.U.G.O.R.**  
**MeetingPlace:**1012 Layton Rd. # 20 Redding  
**When:** 1st Wed, 7 PM  
**Interests:**Amiga/Commodore  
Contact: Robert Wall  
(916) 222-8263

**C.O.W.**  
**MeetingPlace:**San Bruno Parks & Rec Bldg San Bruno  
**When:** 3rd Thur, 7-10 PM  
**Interests:**Amiga/Commodore  
Contact: Steve Beale  
(415) 873-2200

**CentralCoastCommodoreUG**  
**MeetingPlace:**Lutheran Church  
Bradley Rd. & Patterson, Santa Maria  
**When:** 3rd Tue, 7:30 PM  
**Interests:**Amiga/Commodore  
Contact: Gilbert Vela  
(805) 934-2216 BBS

**Club-64**  
**MeetingPlace:**Knights of Columbus Hall  
1729 E. Baseline, San Bernadino  
**When:** 1st Thur, 7-9 PM  
**Interests:**Amiga/Commodore  
Contact: John Shinkunas  
(714) 862-5126

**CommodoreUGofRiverside**  
**MeetingPlace:**California School For Deaf  
Hwy 91 at Arlington Ave, Riverside  
**When:** 2nd & 4th Thur, 7-9 PM  
**Interests:**Commodore  
Contact: Ken Brown  
(714) 689-1452

**DBUG**  
**MeetingPlace:**Diamond Bar Library  
1065 Grand Ave, Diamond Bar  
**When:** 2nd & 4th Wed  
**Interests:**Amiga/Commodore  
Contact: David Zechiel

**DesertAmigaUsersGroup**  
**DAUG**  
**MeetingPlace:**PERC Building  
82660 Indio Blvd  
**When:** 3rd Sun, 3 PM  
**Interests:**Amiga  
Contact: Bill Plost  
(619) 346-5506  
**Mailingaddress:**  
P.O. Box 221  
Palm Springs, CA 92263

**KernAmigaOwnersSociety**  
**KAOS**  
**MeetingPlace:**Southwest Veterans Hall, Room 3  
1901 Wilson Road, Bakersfield  
**When:** 1st Wed, 7 PM

Contact: Mike Glinzak  
(805) 833-9867  
(805) 399-1765 BBS  
**Mailingaddress:**  
P.O. Box 40862  
Bakersfield, CA 93384

**Los Angeles AmigaUG**  
**MeetingPlace:**Veterans Memorial Auditorium  
Culver City  
**When:** 3rd Wed, 7:30 PM  
**Interests:**Amiga  
Contact: Kip Hammond  
(213) 390-3010

**NCAC**  
**MeetingPlace:**Rico's Pizza  
200 Hartnell Ave, Redding  
**When:** 2nd Sat, 2 PM  
**Interests:**Amiga  
Contact: David Murphy  
(916) 472-3237

**NapaValleyCommodoreCompClub**  
**MeetingPlace:**Jim Olson's  
2045 Coombsville Road  
**When:** 3rd Mon, 7 PM  
**Interests:**Amiga/Commodore/MS-DOS  
Contact: Carl Peigh  
(707) 255-6375  
**Mailingaddress:**  
P.O. Box 2324  
Napa, CA 94558

**NorthValleyCommodoreUG**  
**MeetingPlace:**Butte County Library  
East 1st, Chico  
**Shoup:** 1st Wed, 7-9 PM  
**Interests:**Amiga/Commodore  
Contact: Frank Alexander  
(916) 872-0896  
(916) 872-3711 BBS  
(916) 894-8333 BBS  
**Mailingaddress:**  
597 Circlewood Dr  
Paradise, CA 95969

**NorthernCaliforniaAmigaClub**  
**MeetingPlace:**Rico's Pizza Parlor  
200 Hartnell Ave, Redding  
**When:** 2nd Sat, 2 PM  
**Interests:**Amiga  
**Mailingaddress:**  
P.O. Box 54  
Bella Vista, CA 96008

**Oceans-64 Commodore Club**  
**MeetingPlace:**1004 Plover Way  
Oceanside  
**When:** 2nd & 4th Thur, 10 AM  
**Interests:**Commodore  
Contact: Sam Brooks  
(619) 433-3599

**SMAUG**  
**MeetingPlace:**Seaside Library  
Seaside  
**When:** 3rd Tue, 7 PM  
**Interests:**Amiga  
Contact: Richard Binsacca  
(408) 678-2518

**Sacramento Amiga Computer Club**  
**MeetingPlace:**Pacific Bell Aud  
2700 Watt Ave, Sacramento  
**When:** 4th Wed, 7-10 PM  
**Interests:**Amiga  
Contact: Linda Marquess  
(916) 447-3842  
(916) 991-8553 FAX or BBS  
**Mailingaddress:**  
Sacramento  
P.O. Box 19784  
Sacramento, CA 95819-0784

**San Diego Amiga User's Group**  
**SDAUG**  
**MeetingPlace:**SDG & E Building Auditorium 101  
Ash Street  
Downtown San Diego  
**When:** 1st Tues, 7 PM  
**Interests:**Amiga  
Contact: Joel Cross Jr.  
(619) 283-1664  
**Mailingaddress:**  
P.O. Box 80186  
San Diego, CA 92138-0186

**San Fernando Valley Amiga User Group**  
**MeetingPlace:**  
**When:**  
**Interests:**Amiga  
(818) 887-2717  
**Mailingaddress:**  
P.O. Box 8183  
Van Nuys, CA 91409

**SantaBarbaraCommodoreUG**  
**MeetingPlace:**Goleta Library  
Fairview Ave, Goleta  
**When:** 3rd Sat, 1-4 PM  
**Interests:**Commodore

Contact: Murray Kalisher  
(805) 562-2256

**SouthBayAmigaDudes/Dudettes**  
**MeetingPlace:**South Bay Contemporary Museum of Art  
**When:** 1st Thurs, 7 PM  
**Interests:**Amiga  
Contact: Gordon Borbay  
(213) 376-7329  
(213) 325-1796 BBS

**SouthOrangeCommodoreKlub**  
**MeetingPlace:**Union Savings  
23688 El Toro Rd.  
**When:** 3rd Sat, 9 AM  
**Interests:**Amiga/Commodore  
Contact: Don Gribble  
(714) 830-2430  
**Mailingaddress:**  
25401 Champlain Rd.  
Laguna Hills, CA 92653

**T.C.U.G.**  
**MeetingPlace:**call for place, day, and time Lafayette  
**When:**  
**Interests:**Amiga/IBM  
Contact: Margaret Copeland  
(415) 284-1635  
**Mailingaddress:**  
P.O. Box 1065  
Lafayette, CA 94549

**V.C.C.**  
**MeetingPlace:**Doctors Medical Center Conf Rm  
Florida and Orangeburg Ave., Modesto  
**When:** 3rd Wed, 7-9 PM  
**Interests:**Amiga  
Contact: Bob Dennison  
(209) 668-8636

**VVCIA**  
**MeetingPlace:**Victor School (board room)  
6th & A Sts, Victorville  
**When:** 1st Mon & 3rd Tue  
**Interests:**Commodore  
Contact: Ronald Elliott  
(619) 245-9535

## CANADA

**AmigaAlliance, AmigaUsersofNorthBay**  
**MeetingPlace:**Canadore College  
**When:** 2nd Wed, 7:30 PM; Exec. meeting on 3rd Wed  
**Interests:**Amiga products and software  
Contact: Steve Ray  
(705) 497-3057 BBS, 2400 Baud, 24 hr  
The Fat Agnus  
**Mailingaddress:**  
140 Campbell Ave.  
North Bay, Ontario  
Canada,  
P1A 1V9

**Amiga-BasedUserGroup**  
**ABUG**  
**MeetingPlace:**519 Church Street, Toronto, Ontario, Canada  
**When:** 3rd Sun, 2-5 PM  
**Interests:**Amiga  
Contact: Chris Larcombe  
(416) 498-7000  
**Mailingaddress:**  
1795 Meadowview Avenue  
Pickering, Ontario  
Canada L1V 3G7,

**CommodoreComputerClub**  
**MeetingPlace:**B.C.I.T. Room 129A  
**When:** 2nd and 4th Wed  
Contact: Bill Wagstaff  
(614) 597-1746  
**Mailingaddress:**  
P.O. Box 80343  
South Burnaby, B.C.  
Canada V5H 3X6,

**KickStart Amiga Users Group**  
**MeetingPlace:**Innovision 800 Hanwell Rd., Ste. E  
Fredericton, N.B. Canada  
**When:** Last Wed, 7-9 PM  
**Interests:**Amigas  
Contact: Calvin Martin  
(506) 458-0895  
**Mailingaddress:**  
Kick Start Amiga Users Group  
c/o Calvin Martin  
155 Aberdeen Street,  
Fredericton, NB Canada E3B 1R4

**TorontoPetUsersGroup, Inc**  
**TPUG**  
**MeetingPlace:**York Public Library, Story Hour  
Room, downstairs  
1745 Eglinton Ave W. (one block east of Dufferin)  
**When:** 2nd Tues (except July and August) at 7:30 PM  
**Interests:**Central Amiga  
Contact: George Skinner  
(416) 253-9637  
(416) 273-6300 BBS, 24hrs,  
300/1200/2400 bps  
**Mailingaddress:**

5334 Yonge St.  
Box #116  
Willowdale, Ontario,  
Canada M2M 6M2

**AmiciAmiga**  
**MeetingPlace:**National Research Council,  
Auditorium  
100 Sussex Dr, Ottawa  
**When:** 2nd Wed, 7:30 PM  
**Interests:**Amiga  
Contact: Walt Sullivan  
**Mailingaddress:**  
5 Commanche Dr.  
Nepean  
Ontario, Canada, K2E 6E8

**AmigaUsersofCalgary**  
**AMUC**  
**MeetingPlace:**Mt. Royal College, Jenkins Theater  
Calgary  
**When:** 3rd Wed, 7 PM  
**Interests:**Amiga  
Contact: Jeff Rose  
(403) 948-6813  
(403) 282-5224 BBS, highest speed  
**Mailingaddress:**  
P.O. Box 154  
Station 'G'  
Calgary, Alberta, Canada, T3A 2G2

**AmigaUsersofRegina Association**  
**AURA**  
**MeetingPlace:**Saskatchewan Science Centre,  
Regina  
**When:** 2nd Tue, 7:30  
**Interests:**Amiga  
Contact: Dennis Krupski  
(306) 545-5045  
**Mailingaddress:**  
34 Deergrove Crescent  
Regina, Saskatchewan, S4S 5L9  
Canada

**BarrieUsersGroup**  
**MeetingPlace:**  
**When:**  
**Interests:**Amiga  
Contact: Paul Mather  
(705) 728-9047  
**Mailingaddress:**  
21 Baltimore Road  
Barrie  
Ontario, Canada, L4M 5M6

**BramptonCommodoreUG**  
**MeetingPlace:**Chngscousy Library-Bramalea  
Brampton  
**When:** 2nd Mon (except July-August), 7-9 PM  
**Interests:**Amiga/Commodore  
Contact: Daniel Berg  
(705) 846-7981

**Calgary CommodoreUG**  
**MeetingPlace:**Public Lib 616 MacLeod Trail SE  
Calgary  
**When:** 1st Wed (except July & Aug), 7:30-11 PM  
**Interests:**Amiga/Commodore  
Contact: Ralph Dunphy  
(403) 286-4568

**CommodoreUsersofEdmonton**  
**amc.U.E.**  
**MeetingPlace:**University of Alberta, Phys Ed  
Building, Room E120  
**When:** 3rd Thurs, 7 PM  
**Interests:**Amiga  
Contact: Roger Walker  
(403) 454-2832 BBS  
**Mailingaddress:**  
Peter Dahl, Secretary  
Box 3155  
Fort Saskatchewan,  
Alberta, Canada T8E 2T2

**CommodoreUsersofEdmonton**  
**650C.U.E.**  
**MeetingPlace:**Archbishop Jordan High School  
**When:** Last Fri, 7:30 PM  
**Interests:**Commodore  
Contact: Bob Kadylo  
(403) 466-7656 BBS

**LugNuts**  
**MeetingPlace:**St. Catherines Library  
54 Church St.  
**When:** 3rd Tues, 7:30 PM  
**Interests:**Amiga  
Contact: Rob Maxwell  
(416) 680-0609  
**Mailingaddress:**  
7 Killarney Crescent  
Thorold  
Ontario, Canada, L2V 4C2

**MUG**  
**MeetingPlace:**Dieppe Town Hall  
**When:** 1st Tue, 7-10 PM  
**Interests:**Amiga/Commodore  
Contact: Dave Quinn  
(506) 382-9664



# Users Groups

**Midland Commodore UG**  
**Meeting Place:** Midland Centennial Arena Boardroom #1  
 Midland  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Frank Murphy  
 (705) 549-7397 BBS

**North Bay Commodore UG**  
**Meeting Place:** Ministry of Transportation  
 North Bay  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Fred Miller  
 (705) 474-8714

**Pleasantville Commodore UG**  
**Meeting Place:** Bldg 308, Langley Rd  
 St. John's  
**When:** 2nd Tue, 8 PM  
**Interests:** Amiga/Commodore  
 Contact: Michael Sullivan  
 (709) 726-0136

**Port Coquitlam Computer Club**  
**Meeting Place:** Hyde Creek Centre  
 1379 Laurier Port, Coquitlam  
**When:** 1st & 3rd Tue  
**Interests:** Amiga/Commodore  
 Contact: Michael Evans  
 (604) 942-4286

**The Amiga Manitoba User Group**  
**AMUG**  
**Meeting Place:** The Manitoba Hydro Building 820  
 Taylor  
 Winnipeg, Manitoba  
**When:** Last Tues, 7:30 PM  
**Interests:** Amiga  
 Contact: Nick Blazanovic  
 (204) 786-7850 BBS  
**Mailing address:**  
 BOX 98 ST. Norbert Station  
 Winnipeg  
 Manitoba, Canada, R3V 1L5

## COLORADO

**PaintBox SIG**  
**Meeting Place:** Denver Public Library, 3570 W. 1st  
 Ave, at Lowell Blvd.  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga Graphics, Animation and CAD  
 Contact: Lisa Lewis  
 (303) 777-3664  
**Mailing address:**  
 Rocky Mountain Amiga Users/SIG  
 P.O. Box 280403  
 Lakewood, CO 80228

**Rocky Mountain Amiga Users**  
**RAMU**  
**Meeting Place:** Denver Public Library, 3570 W. 1st  
 Ave, at Lowell Blvd.  
**When:** 4th Tues, 7 PM  
**Interests:** All aspects of Amigas  
 Contact: Lisa Lewis  
 (303) 777-3664  
**Mailing address:**  
 Rocky Mountain Amiga Users  
 P.O. Box 280483  
 Lakewood, CO 80228

**The Commodore Club of Colorado Springs**  
**Meeting Place:** TJ-Maxx Center  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Leon Hass  
 (719) 591-6353  
 (719) 597-2041  
**Mailing address:**  
 P.O. Box 25851  
 Colorado Springs, CO 80936

**WesCAUG**  
**Meeting Place:** Community Hospital  
 Grand Junction  
**When:** 1st Sat, 10 AM  
**Interests:** Amiga  
 Contact: Rober Payne  
 (303) 245-0054

## CONNECTICUT

**Amiga Users Group of SE Conn**  
**Meeting Place:** OneByte  
 Rte 32 Uncasville  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga  
 Contact: James Malloy  
 (203) 536-6642 after 12:00 noon

**Capital Region**  
**Meeting Place:** Vernon Police Station  
 Vernon  
**When:** 2nd Tues, 7:30-10:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Cheryl Arzt  
 (203) 872-3320

**Fairfield County Amiga Users Group**  
**F.C.A.U.G.**  
**Meeting Place:** Danbury Hospital Health Education  
 Auditorium  
 Danbury, CT  
**When:** 2nd Sat, 6:00 PM  
**Interests:** Amiga  
 Contact: Kevin Brook  
 (203) 743-1304  
 (203) 438-4721 BBS: The Dark Side  
**Mailing address:**  
 57 North Street  
 Ste. 315  
 Danbury, CT 06810

**HAUG**  
**Meeting Place:** Aetna Institute  
 Hartford  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga  
 Contact: Bill Bernhart  
 (203) 633-4427

**Hartford County Commodore Users**  
**Meeting Place:** East Hartford Library, Lions Room  
 East  
 Hartford  
**When:** 4th Tue, 7 PM  
**Interests:** Commodore  
 Contact: Franklin Bouchard

**Millstone Users Group 64/128**  
**Meeting Place:** Millstone Training Center  
 Waterford  
**When:** No set date/time as needed.  
**Interests:** Amiga/Commodore  
 Contact: John Bittner  
 (203) 357-8368

**NLCCUG**  
**Meeting Place:** Montville VFW  
 Uncasville  
**When:** 1st & 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Charlie Kappelman  
 (203) 848-4044  
 203-848-1986 BBS

**New Haven Amiga-Team Users Group**  
**Meeting Place:** Yale School of Medicine, Beaumont  
 Room,  
 Sterling Hall, Cedar Street  
**When:** 2nd Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Bart Santello  
 (203) 488-9679  
**Mailing address:**  
 P.O. Box 733  
 Branford, CT 06405-0733

## DELAWARE

**Amiga Network**  
**Meeting Place:** University of Delaware  
 Newark  
**When:** 1st Sun, 7-9:30 PM  
**Interests:** Amiga  
 Contact: William Kelly  
 (302) 323-2962  
 (302) 368-1604 BBS  
**Mailing address:**  
 Amiga Network  
 P.O. Box 5940  
 Newark, DE 19714-5940

## DENMARK

**SafeHex International**  
**Meeting Place:**  
**When:**  
**Interests:** Virus protection  
 Contact: Erik Loevendahl Soerensen  
 DAN BBS Denmark, 24 hrs  
 + 45 42643827 (2400-19200 Baud)  
 + 45 4362823 (1200-2400 Baud)  
**Mailing address:**  
 Erik Loevendahl Soerensen  
 Snaphanevej 10  
 4720 Praaeastoe,  
 Denmark

## FLORIDA

**AFLOAT**  
**Meeting Place:** Citrus County Armory  
 Crystal River  
**When:** 2nd Mon  
**Interests:** Amiga/Commodore  
 Contact: Richard Briggs

**C.R.U.G.**  
**Meeting Place:** Florida Power Corp.  
 Crystal River  
**When:** 1st Mon.  
**Interests:** Amiga/Commodore  
 Contact: Richard Briggs

**Clearwater Commodore Club Inc.**  
**Meeting Place:**  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Robert Hronec

(813) 796-0510  
**Mailing address:**  
 601 S. Welcher St.  
 Clearwater, FL 34616

**Commodore Club of Jacksonville**  
**Meeting Place:** Regency Library, Mandarin Library,  
 Orange Park Library, Hayden Burns Library  
**When:** 1st Sat, 10 AM-1 PM; 3rd Sat, 1-4:30 PM; 4th  
 Sat, 1-4:30 PM; 2nd Tues, 7-9  
**Interests:** Amiga/Commodore  
 Contact: John J. Donnangelo  
 (904) 641-6872

**Daytona Beach Amiga Computers Enthusiasts**  
**DBACE**  
**Meeting Place:** Daytona Beach Shores Community  
 Center  
**When:** 1st Thurs, 7 PM  
**Mailing address:**  
 P.O. Box 10402  
 Daytona Beach, FL 32120

**Fort Walton Beach Commodore UG**  
**Meeting Place:** Choctawhatchee High School  
 Racetrack Rd. Ft. Walton Beach  
**When:** 1st Tue/Thur 16 days thereafter, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Joe Majors  
 (904) 863-2845 between 6-8  
**Mailing address:**  
 1205 Thomson Drive  
 Fort Walton Beach, FL 32547

**Miami Amigos**  
**MAUG**  
**Meeting Place:** Dade Co. Computer Training Center  
 13135 S.W. 26th St, Miami  
**When:** 3rd Sat, 10-1 PM  
**Interests:** Amiga  
 Contact: Paul Metheney  
 (305) 591-7736  
 (305) 554-9332 BBS  
**Mailing address:**  
 4590 N.W. 79th Ave 1 C  
 Miami, FL 33166

**Tampa Bay Amiga Group**  
**TBAG**  
**Meeting Place:** Jefferson High School, 4401 West  
 Cypress St.  
 (North of Cypress, near Westshore), Tampa  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** All aspects of Commodore Amiga personal  
 computer  
 Contact: Jim Frinak, President  
 (813) 684-6006 (home)  
 (813) 229-5176 (work)  
 (813) 889-9467 (Public BBS)  
**Mailing address:**  
 The Tampa Bay Amiga Group  
 P.O. Box 2717  
 Tampa, FL 33601-2717

**The Suncoast Amiga Club**  
**TSUNAMI**  
**Meeting Place:** Largo Community Center, Pinellas  
 County  
 Corner of 6th St and 1st Ave SW  
**When:** 2nd Tues & 4th Tues  
**Interests:** Amiga  
 Contact: Harvey Warwick  
 (813) 896-9893  
**Mailing address:**  
 P.O. Box 1311  
 Largo, FL 34649-1311

**Titusville Commodore Club**  
**Meeting Place:** Brevard Community College  
 Titusville  
**When:** 2nd & 4th Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Robert Murray

**Amiga Aces**  
**ACES**  
**Meeting Place:** Melaleuca Elementary School, Audio  
 Visual Room  
 W. Palm Beach, FL  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: Steve Greenberg  
 (407) 686-4564  
**Mailing address:**  
 6287 Lucerne St.  
 Palm Beach Gardens, FL 33418

## GEORGIA

**ACAC**  
**Meeting Place:** Deerfield Windsor School Lower  
 Campus  
 1733 Beattie Rd, Albany  
**When:** 2nd & 4th Tues, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Carlos Villavicencio III  
 (518) 439-1322 after 5 pm

## HAWAII

**Amiga Hawaii Users Group**  
**AHUG**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga/newsletter  
 Contact: Roy Nielson  
 (808) 422-5105  
**Mailing address:**  
 Roy Nielson  
 7149F Melia Ct.  
 Honolulu, HI 96818

## IOWA

**C-5 Capital Complex**  
**Meeting Place:** Grimes State Office Bldg  
 East 11th & Gray, Des Moines  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Larry Eamer  
 (515) 263-8104

**COUGAR**  
**Meeting Place:** Midland Financial  
 525 Main St, Ames  
**When:** 1st Sun (except holidays-2nd Sun), 2-4 PM  
**Interests:** Commodore  
 Contact: Steve Huffman  
 (515) 432-4006 evenings

**Commo-Hawk Commodore Users Group**  
**CHCUG**  
**Meeting Place:** First Trust & Savings Bank  
 1820 1st Ave. NE, Cedar Rapids  
**When:** 2nd Tues, 7 PM (Amiga) 4th Sun, C-64 SIG  
**Interests:** Amiga, Commodore  
 Contact: Linda Bioedel  
 (319) 366-2347  
 (319) 396-0446 BBS  
**Mailing address:**  
 P.O. Box 2724  
 Cedar Rapids, IA 52406-2724

**Northeast Iowa Amiga UG**  
**Meeting Place:** Red Cross Bldg  
 2530 University Ave, Waterloo  
**When:** 3rd Sun, 5 PM  
**Interests:** Amiga  
 Contact: Mary Jensen  
 (319) 277-3758

**Quad Cities Commodore Computer Club**  
**Meeting Place:** Scott Community College, Student  
 Life Center, Rm. 234  
 Belmont Road, Bettendorf  
**When:** 3rd Tues, 7 PM  
**Interests:** Commodore  
**Mailing address:**  
 P.O. Box 3994  
 Davenport, IA 52808

**Tri-State Commodore UG**  
**Meeting Place:** State Bank Bldg  
 Hwy 151, Kieler  
**When:** 2nd & 4th Mon, 7 PM  
**Interests:** Commodore  
 Contact: Wayne Holt  
 (319) 582-4702

## IDAHO

**AUSI**  
**Meeting Place:** Kopper Kitchen Conference Center  
 Boise  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga  
 Contact: Edwin Apel  
 (208) 376-1500

**Banana Belt Commodore UG**  
**Meeting Place:** Lewis-Clark State College M.L.H.  
 13D  
 Lewiston  
**When:** 2nd Fri, 7:30 PM  
**Interests:** Commodore  
 Contact: Harold Riggie  
 (208) 758-3209

**Treasure Valley/Boise UG**  
**Meeting Place:** Plantation Round Table Pizza  
 Boise  
**When:** 1st Thur, 7 PM (Library); 3rd Wed, 7:30 PM  
**Interests:** Commodore  
 Contact: Douglas Parsons  
 (208) 375-4672

**Amiga CAD Sig**  
**Meeting Place:** 17515 East Johnson  
 Union, IL  
**When:** Last Tues, 7 PM  
**Interests:** CAD on the Amiga  
 Contact: Don Strauss  
 (815) 923-2401  
**Mailing address:**  
 17515 East Johnson  
 Union, IL 60180

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# Users Groups

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## ILLINOIS

### AmigaComputerEnthusiasts A.C.E.

**Meeting Place:** Percy Hopkins Auditorium  
Christ Hospital, Oak Lawn  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Ralph G. Munroe, Jr  
**Mailing address:**  
c/o Ralph G. Munroe, Jr  
359 Miami Street  
Park Forest, IL 60466-1930

### CCR

**Meeting Place:** Rockford College Star Science Bldg  
Rockford  
**When:** Thur one month, 7:30-9:30; Sat next month, 9-12 AM  
**Interests:** Amiga/Commodore  
Contact: Mike Hoss

### Champaign-UrbanaCommodoreUsersGroup CUCUG

**Meeting Place:** Bresnan Meeting Center, 706  
Kenwood Road  
Champaign  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Kevin Hisele  
(217) 352-1002  
(217) 356-8056 BBS  
**Mailing address:**  
P.O. Box 716  
Champaign, IL 61824-0716

### ChicagoandNorthwestSuburbanAmigaUsers Group CNSAUG

**Meeting Place:** Woodfield Exec. Bldg/Suburban  
National Bank, 1051 Perimeter Dr, Schaumburg  
(across from Woodfield Mall), Ray College of Design,  
8th floor, NE corner  
**When:** 2nd Wed, 7-10 PM  
**Interests:** Amigaonly  
Contact: Tom Karlman, Tom Grayczyk  
(708) 934-3334—Tom Karlman  
(708) 398-0903—Tom Grayczyk  
**Mailing address:**  
1115 E. Saint James Street  
Arlington Heights, IL 60004

### ComputersWest

**Meeting Place:** College of DuPage  
Glen Ellyn  
**When:** 2nd Fri, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Alan Chumley

### E. Peoria

**Meeting Place:** WAW Union Hall  
E. Peoria  
**When:** 3rd Sat, 4-6:30 PM  
**Interests:** Amiga/Commodore  
Contact: David McMillian  
(309) 745-8455

### Fox Valley Amuse

**Meeting Place:** St. Charles Savings & Loan  
Corner of Rte. 38 & Randall Road  
**When:** 2nd Mon, 7-10 PM  
**Interests:** Amiga  
Contact: Robert Woell  
(708) 759-1590  
**Mailing address:**  
P.O. Box 4125  
Aurora, IL 60507-4125

### JACUG

**Meeting Place:** First Christian Church  
508 W. Vandalia, Jacksonville  
**When:** 7 PM  
**Interests:** Amiga/Commodore  
Contact: Greg Simpson  
(217) 882-5481

### Lake County Amiga User's Group

**Meeting Place:** Public Library in Libertyville  
**When:** 3rd Thurs  
**Interests:** Amiga  
Contact: Phil Martinez, Doug Miller  
**Mailing address:**  
4503 Lathrop Drive  
Woodstock, IL 60098

### SPUG

**Meeting Place:** Lincoln Land Community College,  
Logan Hall  
**When:** 3rd Fri, 7-10  
**Interests:** Amiga, Commodore, MS-DOS  
Contact: Don Walker  
(217) 789-7544  
(217) 789-6644 BBS  
**Mailing address:**  
P.O. Box 9035  
Springfield, IL 62791

### Springfield's Premier User Group

**SPUGlown**  
**Meeting Place:**  
**When:** 3rd Fri  
**Interests:** Amiga, 64/128, IBM compatible

Contact: Robert Ley  
(217) 498-7500  
**Mailing address:**  
SPUG President  
R.R. 2 Box 8  
Rochester, IL 62563

### WIPUG

**Meeting Place:** Quintron (cafeteria)  
Quincy  
**When:** 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Edward Mills  
(217) 656-3671

### DeBartoloUsersGroup

**Meeting Place:** DeBartolo Mission and School, 410 S.  
Michigan, Room 613  
Chicago  
**When:** 2nd Sat, 2:00 PM  
**Interests:** Commodore/Amiga software  
Contact: Otis Williams  
(312) 846-4329  
**Mailing address:**  
Otis Williams  
7555 S. Hermitage Street  
Chicago, IL 60620

### Niles Amiga Resource Committee NARC

**Meeting Place:** Niles Public Library  
**When:** 3rd Mon, 7-10 PM  
**Interests:** Amiga  
Contact: Michael Criscior Mike Jackiw  
(708) 967-8554, Ex. 49  
(708) 634-2828 GraphiCon BBS  
(312) 274-2447 Baud-E-House BBS  
**Mailing address:**  
c/o Niles Library Computer Lab  
6960 Oakton Street  
Niles, IL 60648-3098

## INDIANA

### A.C.E. Amiga Commodore 64/128 Enthusiasts A.C.E.

**Meeting Place:** Eastland Mall  
**When:** 1st Mon, 7-9 PM  
**Mailing address:**  
A.C.E.  
P.O. Box 8080  
Evansville, IN 47717-8080

### Amiga Users of Michiana

**Meeting Place:** Christ The King Lutheran Church,  
Samaritan Center  
17195 Cleveland Road, Mishawaka  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
Contact: Craig Harbor, Pres.  
(219) 287-3344  
**Mailing address:**  
2609 Mishawaka Ave.  
South Bend, IN 46615

### Bloomington Amiga Users Group BAUG

**Meeting Place:** Porticos Restaurant 3rd Floor  
Bloomington  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
Contact: Bill Roberts  
(812) 876-9167  
**Mailing address:**  
James Marusek  
RR4, Box 920A  
Bloomfield, IN 47424

### Commodore Users of Noblesville

**Meeting Place:** Carmel Public Library  
Carmel  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: David Anderson  
(317) 844-2093

### Indianapolis Computer Club Inc.

**Meeting Place:** 7&8 Christian Church  
2916 W. 30th St, Indianapolis  
**When:** 2nd Tue  
**Interests:** Commodore/MS-DOS  
Contact: John Fiega  
(317) 353-2110

### Logansport Commodore Club

**Meeting Place:** Girl Scout Camp  
303 E. Clay Logansport  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
(219) 223-4542

### Richmond Area Computer UG

**Meeting Place:** Richmond City Bldg (community  
room)  
Richmond  
**When:** 1st Mon even months/2nd Mon odd months, 7-9 PM  
**Interests:** Amiga/Commodore  
Contact: Dudley Felzer  
(317) 966-9169

### Rochester Commodore Comp Club

**Meeting Place:** Rochester Public Library  
Rochester  
**When:** 2nd Sat, 1 PM  
**Interests:** Commodore  
Contact: Dan Zellers  
(219) 223-4542

## JAPAN

### Commodore Fan Club

**Meeting Place:**  
**When:**  
**Interests:** Amiga, Commodore  
Contact: Koji Sugimura  
**Mailing address:**  
Commodore Fan Club  
Higashi-Taishi  
Yao, Osaka,  
Japan

## KANSAS

### Atchison Commodore UG

**Meeting Place:** Atchison Public Library  
401 Kansas Ave Atchison  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Larry Gilbert  
(913) 367-2419

### Topeka Commodore Computer UG

**Meeting Place:** National Guard Armory  
28th & Topeka Ave, Topeka  
**When:** Last Tue, 7-9 PM  
**Interests:** Amiga/Commodore  
Contact: James Wilson  
(913) 235-8452

## KENTUCKY

### Christian County Commodore Club

**Meeting Place:** Second Baptist Church, Education  
Bldg  
Hopkinsville  
**When:** Last Thur, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Terry Fugua  
(502) 886-6621

### Glasgow Commodore UG

**Meeting Place:** Farmer Rec. Bldg  
504 S. Lewis St, Glasgow  
**When:** 1st & 3rd Mon, 6:30 PM  
**Interests:** Amiga/Commodore  
Contact: Larry Stell

### MCCUG

**Meeting Place:** Harbin Memorial Library  
Greensville  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Stanley Fleming  
(502) 338-3053

## LOUISIANA

### Ark-La-Tex Commodore Club

**Meeting Place:** John Calvin Pres. Church  
3030 Colquitt Rd, Shreveport  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Bill Walker  
(318) 636-3611

### BRACE

**Meeting Place:** Cortana Mall (Cortana Room)  
Baton Rouge  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Roland Caarson  
(504) 925-9532

### L.A.U.G.

**Meeting Place:** Lafayette City Hall  
705 W. University Ave, Lafayette  
**When:** 3rd Fri, 7:30-11 PM  
**Interests:** Amiga  
Contact: Clifton Bonhomme  
(318) 232-9866

### New Orleans Commodore Klub Amiga Group

**NOCK**  
**Meeting Place:** Library of Ben Franklin High School,  
2001 Leon C. Simon Drive, UNO Campus  
Parking on West side of school only  
**When:** 2nd Sat, 3 PM  
**Interests:** Amiga/Commodore  
Contact: Mike Simoneaux  
(504) 394-7025  
**Mailing address:**  
P.O. Box 8307  
Metairie, LA 70011-0307

### Page User's Group

**Meeting Place:** Metro Mall Community Room  
Alexandria  
**When:** 2nd Sat, 10 AM; 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: S.C. Miller  
(318) 473-8611

## SixtyFourUM

**Meeting Place:** Jefferson Parish Library  
Metairie Road, Metairie  
**When:** 2nd Mon, 6-10 PM  
**Interests:** Commodore  
Contact: Gene Earl  
(504) 861-2893

## St. Tammany Amiga Fanatics

**STAF**  
**Meeting Place:** Faith Bible Church  
**When:** 3rd Thurs, 7-10 PM  
**Interests:** Amiga  
Contact: Don Talbot  
(504) 641-5428  
**Mailing address:**  
P.O. Box 928  
Slidell, LA 70460-0928

## MASSACHUSETTS

### Amiga Users of Southeastern Mass. AUSM

**Meeting Place:** Tremblay Bus Co., 284 Myrtle Street  
New Bedford, MA  
**When:** 1st Tues  
**Interests:** Amiga  
Contact: Dave Pare, President  
(508) 992-3601  
(508) 997-4666 BBS  
**Mailing address:**  
AUSM  
P.O. Box 50856  
New Bedford, MA 02745-9998

### Boston Computer Society

**Meeting Place:** Call for info  
Cambridge  
**When:** 3rd Tues, 7:00 PM  
**Interests:** Commodore  
Contact: Barbara Mintz  
(617) 367-8080  
**Mailing address:**  
P.O. Box 1729  
Cambridge, MA 02238

### Fall River Commodore Club

**Meeting Place:** Bristol Community College,  
Elsbree Street Campus  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga/Commodore  
Contact: Pauline Greenough, Peter Banville  
(508) 675-6584  
(508) 677-4535 BBS  
**Mailing address:**  
P.O. Box 2664  
Fall River, MA 02722

### Northern Berkshire Amiga Club, The

**Meeting Place:** North Adams State College Library  
Church Street  
North Adams  
**When:** Last Fri, 6 PM  
**Interests:** Amiga  
Contact: Adrian Sebborn  
(413) 664-4511 ext. 516  
(413) 445-7310 BBS  
**Mailing address:**  
Adrian Sebborn  
N Adams State College, Church Street  
North Adams, MA 01247

### Pioneer Valley Commodore Club

**Meeting Place:** W. Mass Electric Bldg  
Brush Hill Rd, Springfield  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Marvin Yale  
(413) 562-1027  
(413) 568-4466 BBS

### S.N.H.A.U.G.

**Meeting Place:** West Manchester Public Library  
Manchester  
**When:** 3rd Sat, 12-4:30 PM  
**Interests:** Amiga  
Contact: Dave Nye  
(508) 897-6765  
(603) 669-6719

### The Boston Computer Society

**Meeting Place:** Department of Transportation  
55 Broadway, Cambridge  
**When:** 3rd Tue, 7 PM  
Contact: Alan Hoyland  
(617) 438-9164

### WCAUG

**Meeting Place:** S Works VFW Post, Ballard St.  
Worcester  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga  
Contact: Don Carlson  
(508) 835-2453

## MARYLAND

### The Amiga Group

**TAG**  
**Meeting Place:** Long Branch Library  
Silver Spring  
**When:** 1st Mon, 7 PM

# Users Groups

**Interests:** Amiga  
**Contact:** Ted Jump, President  
 (301) 596-1491 BBS  
**Mailingaddress:**  
 P.O. Box 1172  
 Columbia, MD 21044-0172

**A.B.C.U.G.**  
**Meeting Place:** North County Library, Glen Burnie  
**When:** 4th Tues, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Joe Korczynski  
 (301) 760-9764  
**Mailingaddress:**  
 P.O. Box 0179  
 Glen Burnie, MD 21061-0179

**Another Amiga Group**  
**Meeting Place:** Provinces Branch, Arundel County Library  
 Odenton  
**When:** 2nd Mon

**BAUD**  
**Meeting Place:** Public Library  
 Loch Raven Blvd & Taylor Ave, Baltimore  
**When:** 1st Sat, 1 PM  
**Interests:** Amiga  
**Contact:** Ed Hopper  
 (301) 467-1034

**CUM-BACC**  
**Meeting Place:** Meetings are held at members' homes  
 Lutherville  
**When:** 3rd Sun, 1-5 PM  
**Interests:** Amiga  
**Contact:** Richard Williams  
 (301) 296-4414

**NOBUG64/128**  
**Meeting Place:** Calvary Lutheran Church  
 Baltimore  
**When:** 3rd Mon, 7:30 PM  
**Interests:** Commodore  
**Contact:** Solis James  
 (301) 325-2083

**Rockville Commodore UG**  
**Meeting Place:** Twinbrook Library  
 Rockville  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Commodore  
**Contact:** Cy Feilerman  
 (301) 493-8661

**SMAUG**  
**Meeting Place:** Varies  
 Huntingtown  
**When:** 1st Tues, 7-9 PM  
**Interests:** Amiga  
**Contact:** Vicki Harmon  
 (301) 535-3842

## MAINE

**Amiga Users of Southern Maine**  
**Meeting Place:** Fleet Bank  
 Cumberland Street, Westbrook  
**When:** 1st Fri, 6:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Joe Beecher  
 (207) 865-3004 BBS

**Kennebunk Southern Maine Commodore UG**  
**Meeting Place:** Kennebunk Town Hall  
 1 Summer St, Kennebunk  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Richard Lembre  
 (207) 967-3381

**PACE**  
**Meeting Place:** Varies- please call  
 Belfast  
**When:**  
**Interests:** Amiga  
**Contact:** Michael Weinberg  
 (207) 338-3066

**Southern Maine Commodore UG**  
**Meeting Place:** Portland Public Library, 5 Monument Sq.  
 Univ. of Maine Saco Campus, Saco Island, Saco  
**When:** 2nd Sat, 12:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Richard Lembre  
 (207) 967-3381  
 (207) 967-3719 BBS  
**Mailingaddress:**  
 P.O. Box 416  
 Scarborough, ME 04070-0416

## MICHIGAN

**3D World SIG**  
**Meeting Place:**  
**When:**  
**Interests:** 3-D animation techniques on the Amiga  
**Contact:** Dale K. Myers  
 (313) 525-3203  
**Mailingaddress:**

Dale K. Myers  
 9602 Hartel  
 Livonia, MI 48150

**Amiga Mutual Interest Group**  
**AMIG**  
**Meeting Place:** Capitol Federal Savings Bank  
 basement  
 250 E. Saginaw, East Lansing  
**When:** 3rd Sun, 7-9 PM  
**Interests:** Amiga/Commodore  
**Mailingaddress:**  
 P.O. Box 4664  
 East Lansing, MI 48826-4664

**Coastline Commodore Comp Club**  
**Meeting Place:** American Legion Hall  
 201 Lamuese, Biloxi  
**When:** 1st Sat, 9:30 AM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** William K. Hubler  
 (601) 374-2582

**Downriver Commodore Group**  
**Meeting Place:** Taylor Community Library  
 Taylor  
**When:** 1st & 3rd Wed, 8 PM  
**Interests:** Amiga  
**Contact:** Dino Costantino  
 (313) 277-0114  
 (313) 386-1565

**Jackson Commodore Computer Club**  
**Meeting Place:** 2214 E. Ganson  
 Jackson  
**When:** Last Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Tony Bengel  
 (517) 782-6753

**Jackson Commodore UG**  
**Meeting Place:** Computer Services  
 Jackson  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Daniel Myers  
 (601) 352-0707

**Kalamazoo Valley Home UG**  
**Meeting Place:** KVCC, Room 1040  
 Kalamazoo  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Commodore  
**Contact:** Donald Campbell  
 (616) 345-7039

**Michigan Commodore UG**  
**Meeting Place:** Warren-Woods Middle School  
 13400 Twelve Mile Rd, Warren  
**When:** 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Art Ferrazutti

**Midland Computer Club**  
**Meeting Place:** Grace A Dow Library, Corner of St.  
 Andrews and Eastman Rd.  
 Midland  
**When:** 4th Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Rick Rosinski  
 (517) 631-7162  
**Mailingaddress:**  
 P.O. Box 132  
 Midland, MI 48640-0132

**Saginaw Area Commodore User's Group**  
**SACUG**  
**Meeting Place:** Zauel Memorial Library  
 3100 N. Center Rd, Saginaw Twp.  
**When:** 3rd Tues, 7 PM  
**Interests:** Amiga, 128, 64  
**Contact:** John Lehtinen  
 (517) 695-5974  
**Mailingaddress:**  
 P.O. Box 2393  
 Saginaw, MI 48605

## MINNESOTA

**Amiga of Minnesota Interest Groups Alliance**  
**A.M.I.G.A.**  
**Meeting Place:** Brookdale- Hennepin Area Library  
 6125 Shingle Creek Parkway  
**When:** 3rd Thur, 6:30-8:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Steve Gonnella  
 (612) 533-8494  
 (800) 227-2983 BIX  
 (612) 895-0117 BBS  
**Mailingaddress:**  
 P.O. Box 32374  
 Fridley, MN 55432

**Amiga of Minnesota Interest Groups Alliance**  
**A.M.I.G.A.**  
**Meeting Place:** Crystal Community Center, 49th and  
 Douglas Drive  
**When:** 4th Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Steve Reisman or Bill Toninato  
 (612) 521-3709 Steve  
 (612) 533-8634 Bill  
 (612) 895-0117 BBS  
**Mailingaddress:**  
 P.O. Box 32374  
 Fridley, MN 55432

**Minnesota Commodore UG**  
**Meeting Place:** Park Center High School  
 Brooklyn Park  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Loren Iovhaug  
 (612) 588-3078

**Twin Ports Area Amiga Users Group**  
**Meeting Place:** UMD Room MWAH  
 176 Duluth  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Kenji Ogura  
 (218) 722-2641

## MISSOURI

**Columbia Commodore User**  
**Meeting Place:** Columbia Mall (meeting room)  
 Columbia  
**When:** 2nd Thur, 6:30-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Harold Lawson  
 (314) 474-2303

**Commodore UG of Springfield**  
**Meeting Place:** VFW Post 3403 (bingo room)  
 1136 E. Atlantic, Springfield  
**When:** 2nd Sat, 10 AM  
**Interests:** Commodore  
**Contact:** Bill Patrick  
 (417) 882-3866

**Gateway Amiga Club Inc.**  
**Meeting Place:** Washington Univ Med School aul.,  
 4566 Scott Street, St Louis  
 Prairie Commons Branch Library, 915 Utz Lane,  
 Hazelwood  
**When:** 1st and 3rd Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Bob Scharp  
 (314) 739-5181 (Recorder On Line)  
 (314) 947-9366 BBS (8N1)  
**Mailingaddress:**  
 P.O. Box 811  
 Bridgeton, MO 63044

**Joplin Commodore Computers UG**  
**Meeting Place:** 422 S. Florida Ave  
 Joplin  
**When:** 3rd Sat, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Dale Connley  
 (417) 624-5259

**Ozarks Amiga Comp Enthusiast's**  
**Meeting Place:** Springfield Public Library- Kickapoo  
 Prairie Branch  
 Springfield  
**When:** 4th Sat, 9:30- Noon  
**Interests:** Amiga  
**Contact:** Steve Languth  
 (417) 882-5995

**Amiga Users Group of Kansas City Inc.**  
**Meeting Place:** Baptist Medical Center  
 6601 Rockhill Rd Kansas City  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga  
**Contact:** Mike or Robin Thompson  
 (816) 444-3711  
 (816) 322-5803 BBS  
**Mailingaddress:**  
 9014 Central  
 Kansas City, MO 64114

## MONTANA

**Missoula Commodore UG**  
**Meeting Place:** Montana Power Bldg  
 Missoula  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Becky Maier  
 (406) 626-4730

## NORTH CAROLINA

**F.A.C.E.**  
**Meeting Place:** Software Exchange, Sycamore  
 Square Shopping Center  
 Fayetteville  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga  
**Contact:** John Berger  
 (419) 432-2013 BBS

**Triangle Amiga Users**  
**Meeting Place:** Arts Center, 300 Main St  
**When:** Last Sunday, 6:30 PM  
**Interests:** Amiga  
**Contact:** Steve Ayscuse, Don Nelson  
 (919) 477-1067  
 (919) 942-2764  
**Mailingaddress:**  
 c/o Robin LaPasha  
 1927 Faucette Ave  
 Durham, NC 27704

**Wilmington Commodore UG**  
**Meeting Place:** Cape Fear Community College  
 Wilmington  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Wade Harris

## NORTH DAKOTA

**C.D.C.C.**  
**Meeting Place:** First Federal Bank Bldg  
 Bismarck  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Troy Tausend

**Fargo Moorhead Amiga UG**  
**Meeting Place:** 610 Main Ave.  
 Fargo  
**When:** 3rd Wed, 6:30 PM  
**Interests:** Amiga  
**Contact:** John Steiner  
 (701) 282-0293

## NEBRASKA

**Amiga Users Of The Heartland, Inc.**  
**Meeting Place:** Elks Lodge #39  
 96th & Harrison, Omaha  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Larry Zwart  
 (402) 751-1393  
**MCUG**  
**Meeting Place:** McCook Public Library (basement)  
 McCook  
**When:** 3rd Sun (Sept-May), 6 PM  
**Interests:** Amiga/Commodore  
**Contact:** Dave Matthews  
 (308) 345-5884

**Amiga Users of the Heartland, Inc.**  
**Meeting Place:** Aksarben, eastside, upper level  
 Omaha  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Larry Zwart  
 (402) 571-1393  
**Mailingaddress:**  
 P.O. Box 1432 DTS  
 Omaha, NE 68101-1432

## NEW HAMPSHIRE

**Commodore Users Group**  
**Meeting Place:** Bow Memorial School  
 Bow  
**When:** 1st Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Albert Couture  
 (603) 669-2439

**Seacoast Area Amiga Users Group**  
**SAUG**  
**Meeting Place:** Digital Connections Computer  
 Dover Point Office Park, Dover  
**When:** 3rd Sun, 2-5 PM  
**Interests:** Amiga  
**Contact:** Steve Endsley  
 (603) 743-3385 BBS  
 1200-9600 baud (Dual HST)  
**Mailingaddress:**  
 P.O. Box 878  
 Rochester, NH 03867

## NEW JERSEY

**AMOSNTSC Club**  
**Meeting Place:**  
**When:**  
**Interests:** AMOS newsletter, library  
**Contact:** Martin Robaszewski  
 (201) 217-4190 BBS 1200/2400  
**Mailingaddress:**  
 P.O. Box 761  
 Pine Brook, NJ 07058

**Amiga Users' Group of New Jersey**  
**Meeting Place:** Rutgers' University  
 Camden  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Jay Forman  
 (609) 667-2526

**Cebug**  
**Meeting Place:** East Brunswick Library  
 E. Brunswick

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**When:** 1st Thur, 7 PM  
**Interests:** Commodore  
**Contact:** Dave Pollak  
 (201) 390-6767

## Eastern North Jersey Amiga User Group

**ENJA**  
**Meeting Place:** American Legion Hall  
 180 Union Blvd, Totowa  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
**Contact:** Steve Redington  
 (201) 785-6155  
 (201) 256-0691 BBS  
**Mailing address:**  
 ENJA  
 P.O. Box 2314  
 West Paterson, NJ 07424

## Jersey Amiga Users Group

**JAUG**  
**Meeting Place:**  
**When:**  
**Contact:** Eric Lavitsky  
 (201) 560-0106  
**Mailing address:**  
 P.O. Box 1986  
 New Brunswick, NJ 08901

**M.A.C.U.G.**  
**Meeting Place:** Parsippany Public Library  
 Parsippany Rd, Parsippany  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Michael Pallante  
 (201) 361-4560

## NEW MEXICO

**Aviation & Computer Enthusiasts**  
**Meeting Place:** Call for day & time  
 2009 Camelot Dr, Las Cruces  
**When:**  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Carl Bogardus  
 (505) 526-5645

**CUGOR**  
**Meeting Place:** Roswell Adult Center  
 807 N Missouri, Roswell  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Commodore  
**Contact:** Ralph Knight  
 (505) 622-9250

**Deming Commodore UG**  
**Meeting Place:** 1400 Mallory  
 Deming  
**When:** 1st & 3rd Tue, 7:30 PM  
**Interests:** Commodore  
**Contact:** Robert Sandoval  
 (505) 546-3351

**New Mexico Amiga Users Society**  
**NewMAUS**  
**Meeting Place:** Room 2402, University of New  
 Mexico Law School  
**When:** General: 2nd Thur and 4th Sat Technical: 2nd  
 Sat and 4th Thur  
**Interests:** Amiga/Commodore  
**Contact:** Jim Fauci  
 (505) 836-1913  
**Mailing address:**  
 P.O. Box 91556  
 Albuquerque, NM 97199

**Rio Grand Valley Amiga UG**  
**Meeting Place:** Jacobs Hall NMSU, Room 129  
 Las Cruces  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Marilyn Martin  
 (505) 646-1840

## NEVADA

**Southern Nevada Amiga Group**  
**S.N.A.G**  
**Meeting Place:** Nevada Power Bldg, 1973 N. Nellis,  
 Blvd, Ste. 224  
 Las Vegas, 89115  
**When:** Every other Sat, 10 AM  
**Interests:** Amiga  
**Contact:** Eric Douglas  
 (702) 656-8782  
 (702) 594-7047 Voice Hot Line  
 (702) 566-6222 BBS  
**Mailing address:**  
 S.N.A.G  
 1973 N. Nellis Blvd,  
 Las Vegas, NV 89115

## NEW YORK

**Central New York Amiga Aggregate**  
**CNYAA**  
**Meeting Place:** Liverpool Public Library  
 Liverpool (Syracuse)  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga  
**Contact:** Dick Bauer  
 (315) 457-2009

(315) 454-8518 BBS  
**Mailing address:**  
 4806 Royal Meadow Dr.  
 Liverpool, NY 13088

## Binghamton Amiga User Group

**BAUG**  
**Meeting Place:** Vestal Public Library  
**When:** 2nd Wed  
**Interests:** Amiga  
**Contact:** Gary B. Lee  
 (607) 754-0624 (after 4 PM EST)  
**Mailing address:**  
 332 Clifford Dr.  
 Vestal, NY 13850-1010

**C.D.A.U.G.**  
**Meeting Place:** The Computer Cellar, Westgate  
 Shopping Mall  
 Albany  
**When:** 3rd Thur, 6:30 PM  
**Interests:** Amiga  
**Contact:** Carmen Artino  
 (518) 783-1784

**CAST**  
**Meeting Place:** 138-10 Franklin Ave, Flushing  
**When:** last Sat, 12 PM  
**Contact:** Alex Yang  
 (718) 767-2650  
**Mailing address:**  
 150-21 7th Ave,  
 Whitestone, NY 11357-1208

## Columbia University Commodore-Amiga Users Groups

**CUCAUG**  
**Meeting Place:** Shapiro Hall, Room 1011  
 Columbia University  
**When:** Bi-Thurs, 7 PM  
**Interests:** Amiga  
**Contact:** Ethan Solomita

**Commodore Users Group of Rochester**  
**CUGOR**  
**Meeting Place:** Visual Studies Workshop  
 50 Prince Street, Rochester, NY  
**When:** 2nd and last Wed  
**Interests:** Amiga  
**Contact:** John McElver  
 (716) 621-5908 BBS  
**Mailing address:**  
 P.O. Box 23463  
 Rochester, NY 14692

**Long Island Commodore Amigans**  
**LICA**  
**Meeting Place:** Veterans of Foreign Wars Hall  
 403 Maple Avenue  
**When:** 3rd Fri, 8 PM  
**Interests:** Amiga/Commodore  
**Contact:** Michael Robinson  
 (718) 326-1087  
 (516) 489-2745 BBS

**New York Amiga User Group**  
**AMUSE**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (212) 460-8067  
**Mailing address:**  
 151 First Ave.  
 Ste. 182  
 New York, NY 10003

**Queens Commodore Users Group**  
**QCUG**  
**Meeting Place:** Vietnam Veterans of America,  
 74-01 Cypress Hills St, Glendale, NY 11385  
**When:** 2nd Sat, 9 AM-Noon  
**Interests:** Amiga/Commodore 64, 128  
**Contact:** Jack Donat  
 (718) 296-8286  
**Mailing address:**  
 QCUG  
 P.O. Box 129  
 Queens, NY 11417

**TASCII**  
**Meeting Place:** E.C. Unlimited  
 Fulton  
**When:** Last Fri, 7 PM  
**Interests:** Amiga  
**Contact:** Jean Gulliver  
 (315) 593-1825  
**Mailing address:**  
 P.O. Box 177  
 Fulton, NY 13069

**The Bronx Users Group**  
**BUG**  
**Meeting Place:** 3400 Ft. Independence St,  
 Community Room  
 Community Rm  
**When:** 2nd Thur, 7:30-9:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Bruce Roberts  
 (212) 671-7050 BBS  
**Mailing address:**  
 P.O. Box 523  
 Bronx, NY 10475

**Triple Cities Commodore Society**  
**Meeting Place:** Vestal Public Library  
 Vestal  
**When:** 1st Tue & 3rd Thur, 7 PM  
**Interests:** Commodore  
**Contact:** Larry Drumm  
 (607) 797-6117

## Westchester Amiga User Group

**WAUG**  
**Meeting Place:** Sorftware Link  
 White Plains  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga  
**Contact:** Billy Winters  
 (914) 769-9433  
**Mailing address:**  
 WAUG/c/o Billy Winters  
 460 West Lake Dr.  
 Valhalla, NY 10595

**New Jersey Amiga Video Animation and Graphics**  
**Special Interest Group**  
**New Jersey Amiga SIG**  
**Meeting Place:** Members homes, studios, & places of  
 business  
**When:** 2nd Fri  
**Interests:** Review new hardware and software, help  
 each other become more proficient  
**Contact:** Roger Elowitz or Sam Russell  
 (908) 536-4786 (R. Elowitz)  
 (609) 466-4727 (S. Russell)

**CHIPS Amiga UG**  
**CHIPS**  
**Meeting Place:** Thruway Lanes, 1550 Walden Ave.  
 Cheektowaga, NY  
**When:** 2nd and 4th Tues, 8:00 PM  
**Interests:** General  
**Contact:** Len Souliere or Mike Sanders  
 (716) 941-3233 Len  
 (716) 648-5521 Mike  
**Mailing address:**  
 CHIPS Amiga Users Group  
 Box 315  
 Patchin, NY 14025

## NEW ZEALAND

**Amiga User Group of N.Z.**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga User Group of N.Z.  
 P.O. Box 35107  
 Christchurch, NZ,

**Christchurch CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Christchurch CUG  
 P.O. Box 4665  
 Christchurch,,  
 New Zealand

**NZ Micro Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 NZ Micro Computer Club  
 P.O. Box 6210  
 Auckland, NZ,

**New Zealand Amiga User Group**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 New Zealand Amiga User Group  
 P.O. Box 85094, Sunnynook  
 Auckland, NZ, NZ10,

## OHIO

**Akron Area Commodore UG**  
**Meeting Place:** Green Middle School  
 Greensburg  
**When:** 3rd Sat, 1 PM  
**Interests:** Amiga/Commodore  
**Contact:** Howard Busson  
 (216) 794-1953

**Amiga Central Ohio Network**  
**AmiCON**  
**Meeting Place:** Chemical Abstract Service  
 2540 Olentangy River Road, Columbus  
**When:** 1st Sat, 10 AM; 3rd Wed, 7 PM  
**Interests:** Amiga  
**Contact:** Chuck Cave  
 (614) 436-0617  
 (614) 263-3009 BBS  
**Mailing address:**  
 P.O. Box 18311  
 Columbus, OH 43218

**Amiga UG #432**  
**Meeting Place:** Red Cross Building  
 266 W. Wood St, Youngstown  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
**Contact:** Dennis Alexander  
 (216) 726-8450  
 (216) 856-7869

**Ashtabula County Commodore Users Group**  
**A.C.C.U.G.**  
**Meeting Place:**  
**When:**  
**Contact:** Sue Altonen, Club Secretary  
**Mailing address:**  
 1034 Michigan Avenue  
 Ashtabula, OH 44004

**Basic Bits Commodore Group**  
**Meeting Place:** Fields UM Church  
 34077 Lorain Rd, N. Ridgeville  
**When:** 3rd Fri, 7:30 PM  
**Interests:** Amiga/Commodore

**CEBUG**  
**Meeting Place:** Zion Luth Church  
 Huron  
**When:** 3rd Mon, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Irene Kraus

**CHUGS**  
**Meeting Place:** Clark Cty Mental Health Board  
 1101 E. High St, Springfield  
**When:** 3rd Sat, 1 PM  
**Interests:** Amiga/Commodore  
**Contact:** Barbara Bickel  
 (513) 322-9310

**Canton Akron Massillon UG**  
**Meeting Place:** Holy Trinity Lutheran Church  
 55th & Middlebranch Rd, N Canton  
**When:** 3rd Sat, 7-10 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Roger Knop  
 (216) 499-0848

**Central Ohio Commodore UG**  
**Meeting Place:** Columbus State Community College  
 Columbus  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Philip Lynch  
 (614) 274-0304

**Chillicothe Commodore UG**  
**Meeting Place:** Salem Church corner  
 4th & Mulberry St, Chillicothe  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Bill Pietschman  
 (614) 773-2157

**Cleveland Area - Amiga Users Group**  
**CA-AUG**  
**Meeting Place:** Cleveland Institute of Art  
 Corner of E 117th and Euclid  
**When:** Summer, 3rd Sat, 2-4:40 PM  
**Interests:** Amiga  
**Contact:** Bill Hogsett  
 (216) 295-1624  
**Mailing address:**  
 19443 North Sagamore  
 Fairview Park, OH 44126

**DACUG**  
**Meeting Place:** Defense Electronics Supply Center  
 (DESC)  
**When:** 2nd Sat, 3-7 PM  
**Interests:** Amiga/Commodore or compatibles  
**Contact:** Mona Spurgeon, President  
 (513) 298-6743

**HUG-64**  
**Meeting Place:** Old Court House  
 819 Park St, Findlay  
**When:** 2nd Wed, 7 PM  
**Interests:** Commodore  
 (419) 424-0455

**L-BUG**  
**Meeting Place:** Bowie Community Center  
 Bowie  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Lee Wiseman  
 (301) 464-1745

## North Coast Amiga Users Group

**NCAUG**  
**Meeting Place:** Euclidian Room  
 Euclid Square Mall  
**When:** 2nd Sat, 10 AM  
**Interests:** Amiga  
**Contact:** Doug Southworth  
 (216) 352-2192  
 (216) 352-6039 BBS  
**Mailing address:**  
 P.O. Box 1091  
 Fairport Harbor, OH 44077

**O.V.A.U.G.**  
**Meeting Place:** University of Cincinnati Rieveschl  
 Hall, Rm 502  
 Cincinnati  
**When:** Last Tues, 8:00 PM  
**Interests:** Amiga  
**Contact:** George Gibeau  
 (513) 721-1214



# Users Groups

## TRUMCUG

**Meeting Place:** Cortland Bank, Elm Road Branch  
Warren  
**When:** 3rd Wed (except July & Aug), 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Robert Summers  
(216) 856-1228

## The Commodore and Amiga UG Inc

**Meeting Place:** Grace Lutheran Church  
Columbus  
**When:** 4th Sat, 10-1:30 PM; 2nd Mon, 6:30-9:30 PM  
**Interests:** Amiga/Commodore  
Contact: Jo Ann Nemeth  
(614) 253-7408

## VICAP

**Meeting Place:** White Oak Library  
Silver Spring  
**When:** 2nd Sat, 2 PM  
**Interests:** Commodore  
Contact: Hugh Pettis  
(301) 434-6944

## OKLAHOMA

**Commodore Users of Bartlesville**  
**Meeting Place:** Our Saviour Lutheran Church  
300 N.E. Madison Blvd, Bartlesville  
**When:** 4th Tue odd months, 4th Thur even months.  
**Interests:** Amiga/Commodore  
Contact: Fred Mayes  
(918) 336-0233

## Oklahoma Amiga Computer Enthusiasts

**OACES**  
**Meeting Place:**  
**When:** 1st Tues  
**Interests:** Amiga  
Contact: James Franklin  
(405) 324-8061 BBS  
**Mailing address:**  
P.O. Box 890981  
Oklahoma City, OK 73189-0981

## TACUG

**Meeting Place:** Martin East Regional Library  
Tulsa  
**When:** 2nd Mon, 7:30 PM  
**Interests:** Commodore  
Contact: Wayne Wehrspann  
(918) 299-4559

## OREGON

**CUA**  
**Meeting Place:** Calvary Temple Church  
5th & E. Pine Center Point  
**When:** 1st Mon, 7 PM  
**Interests:** Commodore  
Contact: Kenneth Cote  
(503) 779-3290

## Lane County Commodore UG

**Meeting Place:** EWEB Community Room  
Eugene  
**When:** 3rd Sat, 10-2 PM  
**Interests:** Amiga/Commodore  
Contact: Francis Saffell  
(503) 342-6228

## M.I.G.A.

**Meeting Place:** Carefree Mobile Village (rec room)  
Medford  
**When:** 3rd Sat, 5 PM  
**Interests:** Amiga  
Contact: Randy Waarrick  
(503) 826-7510

## Northwest Amiga Group

**NAG**  
**Meeting Place:** PGE Auditorium, 3700 S.E. 17th  
Portland  
**When:** 4th Tues, 7 PM  
**Interests:** Amiga/Commodore  
Contact: SYSOP Tom Handley  
(503) 656-7393 BBS  
**Mailing address:**  
Galleria, Suite 553  
921 SW Morrison  
Portland, OR 97205

## PENNSYLVANIA

### ABCChips

**Meeting Place:** Sacred Heart Hospital  
Allentown  
**When:** 1st Wed, 7-10 PM  
**Interests:** Amiga  
Contact: Thomas Duff  
(215) 865-4524

### Buxmont Computer UG

**Meeting Place:** Lansdale Public Library  
Lansdale  
**When:** 2nd Thur, 7 PM  
**Interests:** Commodore  
Contact: Paul Steinmetz  
(215) 368-1949

## Central Pennsylvania Amiga Computer Club

**CPACC**  
**Meeting Place:** The Camp Hill Shopping Center  
Community Room  
**When:** 2nd Tue, 6 PM  
**Interests:** Amiga  
Contact: Robert Crawford  
(717) 432-8345

## Huntingdon County Hackers

**Meeting Place:** Huntingdon County Library,  
Huntingdon Branch  
**When:** 2nd Sun, 2 PM  
**Interests:** Amiga/Commodore  
Contact: Shawn Ketner  
(814) 643-1699  
(814) 643-2549

## L.E.A.G.U.E.

**Meeting Place:** Stauffer Mansion  
1241 Litz Pike, Lancaster  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
Contact: Lamar Stahl  
(717) 569-1744

## Main Line Commodore UG

**Meeting Place:** Villanova University  
Villanova  
**When:** 1st Sat, 9:30 AM  
**Interests:** Amiga/Commodore  
Contact: Emil Volcheck  
(215) 388-1581

## Nepace Commodore UG

**Meeting Place:** Penn State Hazleton Campus  
Hazleton  
**When:** 4th Fri (Sept - May), 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: David Orbin  
(717) 450-3088

## North Coast Commodore UG

**Meeting Place:** Villa Maria College  
Erie  
**When:** 3rd Tue, 7:15 PM  
**Interests:** Amiga/Commodore  
Contact: Calvin McAdoo  
(814) 734-4589

## Philadelphia Amiga UG

**PAUG**  
**Meeting Place:** MacAlister Hall, Rm 4014-4018  
33rd & Chestnut St  
**When:** 2nd Sat, 12:30-4:30 PM  
**Interests:** Amiga  
Contact: Michael Levin or Adrian Desmarais  
(215) 664-8278  
(215) 632-8312 BBS  
**Mailing address:**  
P.O. Box 21186  
Philadelphia, PA 19154-0386

## Pittsburgh Commodore Group

**Meeting Place:** Mellon Science Hall, Duquesne  
University  
**When:** 3rd Sun (Sept-June), 9:30 AM  
**Interests:** Amiga/Commodore  
Contact: Neal Kushner  
(412) 828-3505  
**Mailing address:**  
P.O. Box 16126  
Pittsburgh, PA 15242

## Scranton Commodore UG

**Meeting Place:** Junior Achievement Center  
Scranton  
**When:** 3rd Tue, 7 PM  
**Interests:** Commodore  
Contact: Phil Matone  
(717) 489-7843

## White Rose Commodore UG

**Meeting Place:** Adams Electric Cooperative  
York  
**When:** 3rd Wed, 7 PM  
**Interests:** Commodore  
Contact: James A. Miller  
(717) 848-9321

## RHODE ISLAND

### Narragansett Commodore UG

**Meeting Place:** Showamut Baptist Church  
West Shore Road, Warwick  
**When:** 4th Wed, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Ron Maguire  
(401) 738-6972

### Warwick Commodore UG

**Meeting Place:** St. Barnabus Church  
Apponaug  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Ted Walters  
(401) 433-5617

## SOUTH CAROLINA

### Commodore Computer Club of Columbia

**Meeting Place:** Classics  
1632 Hampton St, Columbia  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Buster White  
(803) 733-9783  
(803) 772-0305

## SPARCUG

**Meeting Place:** Spartanburg Art Center  
Spartanburg  
**When:** 2nd Sun (except May), 1:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Lee Speer  
(803) 582-5222

## SOUTH DAKOTA

### Aberdeen Commodore Club

**Meeting Place:** NW Bell Bldg  
15 SW 4th Ave, Aberdeen  
**When:** Last Tue, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Dorothy Gathright  
(605) 622-3880 BBS

## SOUTH AUSTRALIA

### Adelaide Amiga user group

**ADAM**  
**Meeting Place:** Mawson High School Library Colton  
Ave.  
Hove Adelaide  
**When:** Every Mon  
**Interests:** Amiga  
Contact: A. Wilson  
**Mailing address:**  
G.P.O. Box 332  
Adelaide, South Australia, 5000

## SWEDEN

### Amiga C Club

**ACC**  
**Meeting Place:**  
**When:**  
**Interests:** C programming  
**Mailing address:**  
Amiga C Club  
Tulevagen 22  
181 41 LIDINGO,  
SWEDEN

## SWITZERLAND

### SAUG Computer Club (Swiss Amiga User Group)

**SAUG**  
**Meeting Place:** Hotel Lowen Widnau  
**When:** 1st Mon, 7:30 PM  
**Interests:** Amiga  
Contact: E. Frei, Unterdorfstr. 8a  
(011) 417-172-3313  
**Mailing address:**  
E. Frei, Unterdorfstr. 8a  
CH-9443 Widnau  
Switzerland,

## TENNESSEE

### Commodore Association of SE

**Meeting Place:** Bonanza  
Stewart Ferry Pk & I-40 Nashville  
**When:** Sat, Noon  
**Interests:** Amiga/Commodore  
Contact: Thomas Kujawa  
(615) 648-1838

## Hackers

**Meeting Place:** Bartlett Library  
Bartlett  
**When:** 2nd Mon, 7 PM; 3rd Sat, 10 AM  
**Interests:** Commodore  
Contact: James Patrick  
(901) 795-0461

## Memphis Amiga Group

**Meeting Place:** State Tech Inst At Memphis  
Memphis  
**When:** 2nd Sat, 1 PM  
**Interests:** Amiga  
Contact: Broadus Weatherall  
(901) 767-9239

## Memphis Commodore Users Club

**Meeting Place:** State Tech Inst, Fulton Auditorium  
Memphis  
**When:** 1st Tue, 7 PM  
**Interests:** Commodore  
Contact: Bob Nunn  
(901) 795-0461

## The Amiga Club

**Meeting Place:** Cumberland Museum  
Antioch  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga  
Contact: Becky Fox Matthews  
(615) 776-5438 BBS

## Mailing address:

P.O. Box 40651  
Nashville, TN 37204

## TEXAS

### CUT

**Meeting Place:** 7007 Memphis Ave.  
Lubbock  
**When:** 2nd Tue, 7-9 PM; 4th Sat, 3-5 PM  
**Interests:** Amiga/Commodore  
Contact: Gayle Gafford  
(806) 792-7121

## Central Texas Amiga Computer Society

**CTACS**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
Contact: Arnaldo R. Cruz  
(512) 458-8004 BBS  
**Mailing address:**  
ATTN: Treasurer  
P.O. Box 90685  
Austin, TX 78709-0685

## Club Amiga

**Meeting Place:** Micro Search Computers  
9896 S.W. Freeway, Houston  
**When:** 1st Thur, 7-9 PM  
**Interests:** Amiga  
Contact: Joyce Burek  
(713) 481-4704 after 4 PM

## Coastal Bend Amiga Users Group

**CBAUG**  
**Meeting Place:** Computer-Ease 1819 S. Alameda  
Corpus Christi, TX 78404  
**When:** 1st and 3rd Sat, 11 AM  
**Interests:** Amiga  
Contact: David Crum  
(512) 882-2275  
(512) 883-8351 BBS

## Commodore Amiga users of San Antonio

**CASA**  
**Meeting Place:** Amazing Computers 7115 Blanco  
Ste. 114  
San Antonio  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
Contact: James O. Jackson  
(512) 921-1758  
**Mailing address:**  
CASA  
P.O. Box 290039  
San Antonio, TX 78280-1439

## Concho Valley Commodore Users Group

**CVCUG**  
**Meeting Place:** 2nd Thurs at Central National Bank  
4th Sat at El Patio Motel  
**When:** 2nd Thurs, 7 PM, 4th Sat, 9 AM  
**Interests:** Computers in general, Amigas in particular  
Contact: Jon B. Peterson, Pres.  
(915) 949-1400  
**Mailing address:**  
CVCUG  
P.O. Box 2661  
San Angelo, TX 76902

## El Paso Amiga Users Group

**EPAUG**  
**Meeting Place:** St. Pauls Methodist Church  
7000 Edgemere  
**When:** 2nd & 4th Thur, 7:00 PM  
**Interests:** Amiga  
Contact: Walker Jackson  
**Mailing address:**  
6628 Mariposa  
El Paso, TX 79912

## El Paso Commodore UG

**Meeting Place:** Lincoln Cultural Arts Center  
4001 Durazo, El Paso  
**When:** 2nd Thur, 7 PM; Last Sat, 10 AM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Blaine Snyder  
(915) 751-9884

## Longview Commodore UG

**Meeting Place:** Pinetree Jr. High School  
Longview  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Eldon Boswell  
(214) 759-9064

## Metrolplex Commodore Computer Club

**Meeting Place:** Amiga Central Chapter, Arlington  
Community Center, Arlington  
**When:** 3rd Thurs, 7:00 PM  
**Interests:** Amiga  
Contact: Ray Howard  
(214) 660-4819  
**Mailing address:**  
P.O. Box 813  
Bedford, TX 76095

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## Metroplex Commodore Computer Club

**Meeting Place:** Amiga By-The-Loop Chapter, North Richland Hills Community Center  
**When:** 2nd Tues, 7:00 PM  
**Interests:** Amiga  
 Contact: David Owens  
 (817) 577-2304  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

## Metroplex Commodore Computer Club

**Meeting Place:** Amiga West Chapter, Texas College of Osteopathic Medicine, Fort Worth  
**When:** 2nd Thurs, 7:00 PM  
**Interests:** Amiga  
 Contact: Jack Smith  
 (817) 924-9289  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

## Metroplex Commodore Computer Club

**Meeting Place:** Amiga North Dallas Chapter, Richardson Civic Center  
**When:** 3rd Wed, 7:00 PM  
**Interests:** Amiga  
 Contact: Craig Bird  
 (817) 540-3360  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

## TOTCOM

**Meeting Place:** LTV  
 530 West Brown, Pampa  
**When:** 1st & 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Sid Robinson

## TRICUG

**Meeting Place:** call for meeting place  
 Amarillo  
**When:** 2nd Sat, 10-12 Noon  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Wayne Martin  
 (806) 355-4577

## Texas Commodore UG

**Meeting Place:** Lewis Hunnicutt's House  
 Royse City  
**When:** call for day and time.  
 Contact: Lewis Hunnicutt  
 (214) 635-9005

## THE NETHERLANDS

### Amiga Systems Foundation

**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (011) 3120-664-3379 BBS  
**Mailing address:**  
 P.O. Box 70348  
 1007 KH  
 Amsterdam,  
 The Netherlands

## URUGUAY

### Grupo Amiga

**Meeting Place:**  
**When:**  
**Interests:** Amiga training center  
 Contact: Adrian Weiszman  
**Mailing address:**  
 Caramuru 5565  
 Montevideo, 11400  
 Uruguay,  
 South America

## UTAH

### Amiga Round Table

**ART**  
**Meeting Place:** Weber State College, Lind Lecture Hall, Rm126  
 Ogden  
**When:** 2nd Sat, 11 AM  
**Interests:** Amiga  
 Contact: Leonard Larsen  
 (801) 825-8121  
**Mailing address:**  
 P.O. Box 602  
 Clearfield, UT 84015

### BYU Amiga Users Group

**Meeting Place:** 258 ELWC on the Brigham Young University  
 Provo  
**When:** 2nd & 4th Sat, 10 AM  
**Interests:** Amiga  
 Contact: Brian Koetting  
 (801) 377-2269

## VIRGINIA

### Amigod Life-Form Association

**A.L.F.A.**  
**Meeting Place:** Thomas Nelson Community College,  
 Gator Room  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: Norm Goswick  
 (804) 865-7903  
**Mailing address:**  
 PK Birkmeyer  
 4706 Maser Court  
 Hampton, VA 23666

## CURVE

**Meeting Place:** Dumbarton Library, Staples Mill  
 Penick  
 Richmond  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Kent Durvin  
 (804) 321-5057

### Capital Area Commodore Enthusiasts

**Meeting Place:** Tysons- Pimmit Regional Library  
 Fairfax City  
**When:** 4th Sat, 1:30 PM  
**Interests:** Amiga/Commodore  
 Contact: William Tyler  
 (703) 471-0442

### Computer Club of South West Virginia

**Meeting Place:** Salem Civic Center  
**When:** 2nd Tues, 6-9 PM  
**Interests:** Graphics and games  
 Contact: Carl Shermat  
 (703) 562-1767 Voice 9 AM -9 PM  
**Mailing address:**  
 P.O. Box 727  
 Salem, VA 24153

### National Capital Amiga Users Group

**NCAUG**  
**Meeting Place:** Washington Gas Light Co., 6801  
 Industrial Road  
 Springfield  
**When:** 2nd Sat, 1 PM, new users SIG Noon  
**Interests:** Amiga  
 Contact: Bill Falls  
 (703) 532-1642  
 (703) 658-4369 BBS F8N1  
**Mailing address:**  
 P.O. Box 12360  
 Arlington, VA 22209

### Portsmouth Commodore UG

**Meeting Place:** Portsmouth Catholic Elementary  
 School  
 Portsmouth  
**When:** 4th Tue, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Louis Parker  
 (804) 488-2249

## R.A.G.

**Meeting Place:** Dumbarton Library  
 Richmond  
**When:** 4th Sat  
**Interests:** Amiga  
 Contact: Bob Fisher  
 (804) 353-0225

### Tidewater Commodore UG

**Meeting Place:** Open Door Chapel (rear)  
 Virginia Beach  
**When:** 2nd & 4th Thur, 7 PM  
**Interests:** Amiga/Commodore  
 (804) 588-5617

### Washington Area Commodore UG

**Meeting Place:** George Mason High School  
 7124 Leesburg Pike, Falls Church  
**When:** 3rd Sat  
**Interests:** Amiga/Commodore  
 Contact: John Krout  
 (703) 273-6074

## VERMONT

### Champlain Valley Commodore UG

**Meeting Place:** S. Burlington Middle School  
 (cafeteria)  
 S. Burlington  
**When:** Last Wed, 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Steve Lippert  
 (802) 658-4160

## WASHINGTON

### AMUSE

**Meeting Place:** Lake Hills Library  
 15228 Lake Hills Blvd, Bellevue  
**When:** Sat, 4:30 PM  
**Interests:** Amiga  
 Contact: Jim Boydston  
 (206) 255-2043

## Amiga First Users Group of Spokane

### AFUGS

**Meeting Place:** Various Amiga Dealers in Spokane  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
 Contact: Dave Harris  
 (503) 299-7543  
**Mailing address:**  
 Rt. 2 Box 10R7  
 Espanola, WA 99022

### Bellingham Amiga Users

**Bel-Ami**  
**Meeting Place:** Bond Hall Room 104/105  
 Western Washington Campus (visitors welcome)  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
 Contact: T. Scott  
**Mailing address:**  
 P.O. Box 786  
 Bellingham, WA 98227-0786

### Blue Mountain Commodore UG

**Meeting Place:** Labor Council Building  
 Walla Walla  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Sam Southall  
 (509) 529-2995  
**Mailing address:**  
 702 E. Alder  
 Walla Walla, WA 99362

### Island Commodore UG

**Meeting Place:** Harbor Towers  
 7330 700th Ave W Oak, Harbor  
**When:** 2nd Sat, 7:30 PM  
**Interests:** Commodore  
 Contact: Carole Czlapinski  
 (206) 679-4450

### Lacey/Olympia/Tumwater Amiga Users' Group

**LOTAUG**  
**Meeting Place:** Olympia Community Center, Room  
 103  
 222 Columbia Street Olympia, WA 98501  
**When:** June-September, 1st Tues, 6:30-10:00. Oct-  
 May, 1st Sat, 12:30-4:30  
 Contact: Ed Kivior John Freeland  
 (206) 491-6122 Ed Kivi  
 (206) 456-2877 John Freeland

## O.P.U.G.

**Meeting Place:** Agnew Community Hall  
 Port Angeles  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Commodore  
 Contact: James Rosand  
 (206) 452-8601 BBS

## S.T.A.G.

**Meeting Place:** Bates V. Tech  
 2201 S. 78th St, Tacoma  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga  
 Contact: Ralph Redjou  
 (206) 581-2993

## SWAMI

**Meeting Place:** Take A Byte Computers  
 815 W. Columbia Dr, Kennewick  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga  
 Contact: Chris Bosted  
 (509) 375-7709

## UPCHUG

**Meeting Place:** Fircrest Recreation Center  
 Tacoma  
**When:** 2nd & 4th Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: David Ockrassa  
 (206) 832-3359

### Vancouver Amiga User Group

**VAUG**  
**Meeting Place:** Smokey's Pizza  
 Hazelville  
**When:** 2nd Mon, 7:30 PM  
**Interests:** Amiga  
 Contact: Dan Edwards  
 (206) 896-9834  
 (206) 695-3630 BBS  
**Mailing address:**  
 P.O. Box 84544  
 Vancouver, WA 98684-0544

### WACKO Walla Walla Computer Users

**Meeting Place:** Life Science Center, Main Lecture  
 Hall  
 Walla Walla College, College Place  
**When:** 3rd Sun, 2 PM  
 Contact: Richard Daley

## WISCONSIN

### CHIPS

**Meeting Place:** 800 East Kilbourn  
 West Bend  
**When:** 2nd Wed & 4th Thur, 6:30 PM  
**Interests:** Commodore  
 Contact: Thomas Daley  
 (414) 338-3047

### Club Commodore

**Meeting Place:**  
**When:**  
 Contact: Tom Dunk, President  
 (414) 554-5952 BBS  
 Roger Christensen, System Operator  
**Mailing address:**  
 Club Commodore  
 P.O. Box 085682  
 Racine, WI 53408

### Lakeshore Commodore Core

**Meeting Place:** Lakeshore Tech College (confirm A)  
 Cleveland  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Merwyn Beyer

### Milwaukee Area Commodore Enthusiasts

**MACE**  
**Meeting Place:** American Legion Post  
 9153 W. Beloit Road (one block south of 92nd and  
 Oklahoma Ave.)  
**When:** 2nd & 4th Mon, 7 PM  
**Interests:** Amiga  
 Contact: Mike Mrstik  
 (414) 645-0951  
**Mailing address:**  
 P.O. Box 26216  
 Milwaukee, WI 53226

### Northeast Wisconsin Amiga Users Group

**Meeting Place:**  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
 Contact: Tim Kolb  
 (414) 749-9338  
**Mailing address:**  
 Tim Kolb  
 951 North Perkins Street  
 Appleton, WI 54914

## WEST VIRGINIA

### BUG 20/64 Bluefield UG

**Meeting Place:** Humana St. Lukes  
 Southview Dr, Bluefield  
**When:** 2nd Mon  
**Interests:** Commodore  
 Contact: John Knowles  
 (703) 326-2140

## WYOMING

### Casper Commodore User Group

**CCUG**  
**Meeting Place:** Crazy Mountain Software  
 511 E. Sunset Street Casper  
**When:** Call for details  
**Interests:** Amiga/Commodore 64  
 Contact: Roy Pahnke  
 (307) 577-1963

### Cheyenne Association

**Meeting Place:** Laramie County Library  
 2800 Central Ave, Cheyenne  
**When:** 1st Thur, 7 PM  
**Interests:** Commodore  
 Contact: Gene Rugotzke

# Vendor Information

**3 Leaf Productions**  
500 Lake Marina Dr, Ste #214  
New Orleans, LA 70124  
(504) 288-5644 voice  
(504) 467-7171 orders  
FAX (504) 838-9174

**3-Dimensions**  
1845 Doris Dr  
Menlo Park, CA 94025  
(415) 599-4782  
(415) 327-5539  
FAX (415) 365-2043

**80 Track Software**  
P.O. Box 309  
Oceanside, NY 11572  
(516) 678-9631  
FAX (516) 763-4745

**A+L AG**  
Daderiz 61  
2540 Grenchen, Switzerland  
(011) 416-552-0311  
FAX (011) 416-552-0379

**A.D.I.**  
3514 Olive Street  
Huntington Park, CA 90255  
(213) 581-1188  
FAX (213) 581-1492

**Abacus Software**  
5370 52nd Street S.E.  
Grand Rapids, MI 49512  
(616) 698-0330  
FAX (616) 698-0325

**Absoft Corp.**  
2781 Bond St.  
Rochester Hill, MI 48309  
(313) 853-0050  
FAX (313) 853-0108

**ACDA Corporation**  
220 Belle Meade Ave.  
Setauket, NY 11733  
(516) 689-7722

◆ **ACE-PYX Computer Services**  
Distributed by Time + Space  
P.O. Box 306, Herts, HP4 3EP  
England 011-44-442-870-681

**Academy Software, Inc.**  
P.O. Box 6277  
San Rafael, CA 94903

**Access Software, Inc.**  
4910 Amelia Earhart Drive  
Salt Lake City, UT 84116-2837  
(800) 800-4880  
(801) 359-2900  
FAX (801) 359-2968

**Access Technologies, Inc.**  
P.O. Box 202197  
Austin, TX 78720  
(512) 343-9564

**Accolade**  
5550 S. Winchester Blvd. Ste. 200  
San Jose, CA 95128  
(408) 985-1700  
FAX (408) 246-0885

**Action Graphics**  
4725 Dorsey Hall Dr.  
Elliot City, MD 21043  
(410) 992-0749

**Activa International B.V.**  
P.O. Box 2360  
1100 DT Amsterdam Zuidoozt  
The Netherlands,  
(011) 312-0691-1914  
FAX (011) 312-0691-5403

**Active Circuits, Inc.**  
1985 Highway 34 Ste. A-4  
Wall, NJ 07719  
(201) 974-1616  
FAX (201) 974-1672

**Addison-Wesley Publishing Co.**  
1 Jacob Way, Reading, MA 01867  
(800) 447-2226  
(617) 944-3700  
FAX (617) 942-1117

**Additional Ideas, Inc.**  
1083 McMillan St. NW  
Atlanta, GA 30318  
(404) 872-6151

**Adept Development**  
PO Box 20, 1000 Lausanne 5,  
Switzerland  
(011) 4121-312-1202  
FAX (011) 4121-206-509

**Adspec Programming**  
467 Arch St.  
Salem, OH 44460  
(216) 337-3325  
(216) 337-1329  
FAX (216) 337-1158

**Advanced Computer Design**  
Carl Schurz-Str.11  
D-2800 Bremen 1,  
West Germany  
(011) 4942-1349-9517  
FAX (011) 4942-1349-9518

**Advanced Creations**  
Inc., P.O. Box 31818  
Dayton, OH 45431  
(513) 427-5439  
(800) 837-4851

**Advanced Electronic Applications, Inc.**  
P.O. Box C2160  
2006-196th S.W.  
Lynnwood, WA 98036  
(206) 774-5554  
FAX (206) 775-2340

**Advanced Gravis Computer Technology Ltd.**  
7033 Antrim Ave., Burnaby BC,  
Canada C5J 4M5  
(604) 434-7274  
(800) 663-8558  
FAX (604) 434-7274

**Advanced Image**  
2 Townsend Road Rt. 13 S  
Brookline, NH 03033  
(603) 673-0212  
FAX (603) 673-7697

**Advanced Integration Research**  
3006 North Main Street  
Logan, UT 84321  
(801) 752-2501

**Advanced Software Engineering**  
P.O. Box 441  
Sudbury, MA 01776  
(617) 963-8394

◆ **Advanced Thinkware Designs**  
61 East 8th Street, Suite 324  
New York, NY 10003

**ALL PRO Film/Video Prod.,** 124 West 60th St.  
New York, NY 10023  
(212) 489-5780

**AlliMed**  
297 High Street  
Dedham, MA 02026  
(617) 225-2610  
(617) 329-2900

**Allen Avionics, Inc.**  
224 East Second Street  
Minneapolis, NY 11501  
(516) 248-8080  
FAX (516) 747-6724

**Allied Studios**  
482 Hayes Street  
San Francisco, CA 94102  
(415) 863-1781

**AlohaFonts**  
P.O. Box 1112  
Rancho Cordova, CA 95741-1112  
(916) 631-9633  
FAX (916) 635-0475

◆ **AltoFirma Software**  
36M Ridge Road  
Greenbelt, MD 20770  
(301) 345-2357

**AMIGA Tech Scientific Applications, P.O. Box 201**  
Los Altos, CA 94023-0201  
(415) 960-9399

◆ **AMOS America**  
1630 George Washington Blvd.  
Wichita, KS 67211  
(316) 685-4763

**Amazing Computers**  
1441 E. Fletcher Ave. Ste. 1450  
Tampa, FL 33612  
(813) 977-6511

**Ambrosia Microcomputer Products, Inc.**  
Ste. 371, 98 W. 63rd St.  
Willowbrook, IL 60514  
(708) 655-0610

**American Software Distributors**  
502 E. Anthony Dr.  
Urbana, IL 61801  
(217) 384-2050

◆ **Ameristar Technologies, Inc.**  
47 Whittier Avenue  
Medford, NY 11763  
(516) 698-0834

**AmiGrafix, Inc.**  
P.O. Box 2063  
Apopka, FL 32704-2063  
(407) 884-9557

**Amiga C Club**  
Tulevagen 22  
181 41 LIDINGO  
Sweden

**Amiga Centre Scotland**  
Harlequin House  
Walkerburn, Peeblesshire,  
EH43 6A2 Scotland  
(011) 4489-687-583

◆ **Amiga Exchange, The**  
184 Main Street  
Portland, CT 06480  
(203) 342-5327

◆ **Amiga Hoy Internacional**  
Interlink 143, PO Box 526770  
Miami, FL 33152  
(506) 434-7274  
(800) 663-8558  
(Costa Rica)  
FAX (506) 21-9201

**Amigo Business Computers**  
192 Laurel Road  
E. Northport, NY 11731  
(516) 757-7334  
FAX (516) 757-7234

**AniGraphics**  
N9476 County SC  
Ixonia, WI 53036  
(414) 261-8992  
(414) 781-9584 BBS  
FAX (414) 781-9583

**Animated Pixels**  
Albemarle House  
Osborne Rd.  
Southsea, Hants,  
PO5 3LB United Kingdom  
(011) 4470-529-1866  
FAX (011) 4470-582-1677

◆ **Anti Gravity Workshop**  
456 Lincoln Blvd  
Santa Monica, CA 90402  
(310) 393-9747  
FAX (310) 576-6383

**APROTEK**  
9323 West Evans Creek Road  
Rogue River, OR 97537  
(503) 582-2120  
(503) 582-2118 Tech

**Applied Creative Arts**  
55 Grace St.  
Malden, MA 02148  
(617) 322-4571

**Applied Optical Media Corp.**  
1450 East Boot Rd., #400  
West Chester, PA 19380  
(215) 429-3701  
FAX (215) 429-3810

**ARock Computer Software**  
P.O. Box 731  
Springfield, MO 65801  
(417) 866-8803

**Aradia/Dist. by Electronic Arts**  
1450 Fashion Island Blvd.  
San Mateo, CA 94404  
(800) 245-4525  
(415) 571-7171  
FAX (415) 571-7995

**Artistic Software, Inc.**  
55 Selwyn Place  
Kanata, Ontario,  
Canada K2K 1P1  
(613) 591-6039  
FAX (613) 567-2882

**ArtoVinjett**  
Byalys v.65  
S12174 Jhov,  
Sweden  
(011) 468-649-7702

**Artworx**  
1844 Penfield Rd.  
Penfield, NY 14526  
(800) 828-6573  
(716) 385-6120  
FAX (716) 385-1603

**ASCITEC**  
Amiga Science and Tech Users' Group  
P.O. Box 201  
Los Altos, CA 94023-0201  
(415) 960-9399

**ASDG, Inc.,**  
**ASDG/Polaroid, and**  
**ASDG/Sharp Electronics**  
all at: 925 Stewart St.  
Madison, WI 53713  
(608) 273-6585

◆ **ATOP**  
11914 Girdled Road  
Painesville, OH 44077  
(216) 352-8471  
FAX (216) 354-0075

**Aurum Software**  
P.O. Box 5392  
Ventura, CA 93005  
(805) 659-3570

**AusTechnoCorp, c/o Moore College, King Street**  
Newtown NSW 2042, Australia  
(011) 612-516-3723  
FAX (011) 612-399-8730

◆ **AVID, Amiga-Video Journal**  
415-112 N. Mary Avenue, #207  
Sunnyvale, CA 94086  
(408) 252-0508

**AVP**  
2418 S. Chicago  
S. Milwaukee, WI 53172  
(414) 762-5261

◆ **Avalon Hill Game Company**  
4517 Hartford Road  
Baltimore, MD 21214  
(410) 254-9200  
FAX (410) 254-0991

**Avant-Garde Software**  
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Manassas, VA 22110

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Eagan, MN 55121  
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(612) 452-8135

**Erisian Software Products**  
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Delray Beach, FL 33445  
(407) 496-0843

**Europress Software**  
Europa House, Adlington Park  
Macclesfield, Cheshire,  
England SK10 4NP  
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FAX (011) 4462-587-9962

**Eurosoft International Inc.**  
860 Merrimon Ave., #185  
Asheville, NC 28804-2405

**Expansion Systems**  
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Fremont, CA 94539  
(510) 656-2890  
FAX (510) 656-5131

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Florence, KY 41042  
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FAX (606) 371-9691

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(314) 474-2984

**EyeFulTower Comm./EarfulTower Prod.**, 15 Rockydale  
Bristol, VT 05443  
(802) 453-4293

**EZSoft**  
21125 Chatsworth St.  
Chatsworth, CA 91311  
(818) 341



# Vendor Information

## Genisoft

Unit 3 Poyle 14, Newlands Drive,  
Columbrook, Berks SL3 0DX,  
England (011) 4475-368-6000  
FAX (011) 4475-368-0343

## Geodesic Designs

P. O. Box 956068  
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(404) 822-0566  
(404) 339-9995 BBS  
FAX (404) 339-9995

## GFA Software Technologies

27 Congress St, Salem, MA 01970  
(800) 766-6GFA  
(508) 744-0201  
FAX (508) 744-8041

## Gfx Base

1881 Ellwell Drive  
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## Gifted Artists

3216 Summit Ave.  
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(410) 882-2748 aft. 6  
FAX (410) 347-8184 b15

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Collegeville, PA 19426  
(215) 584-4261  
FAX (215) 584-4266

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San Francisco, CA 94114  
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FAX (415) 346-3502

## GlassCanvas Productions, Inc.

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## GlennLoc Corporation

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Fairfax, VA 22031  
(703) 273-5663

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136 Spicer Road  
Thompson, CT 06277  
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## Gold Disk, Inc.

5155 Spectrum Way, Unit 5  
Mississauga, Ontario,  
Canada L4W 5A1  
(416) 602-4000  
(800) GOLD DSK  
FAX (416) 602-4001

## Golden Hawk Technology

427-3 Amherst Street, Ste. 389  
Nashua, NH 03063  
(603) 424-0269

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3578 E. Enterprise Drive  
Anaheim, CA 92807  
(800) 327-4482  
(714) 630-7765  
FAX (714) 630-7172

## GrafX Computing

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Panama, NY 14767  
(716) 782-2468

## Grapevine Group, The

3 Chestnut St, Suffern, NY 10901  
(800) 292-7445  
FAX (914) 357-6243

## Graphic Design Studio

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Metairie, LA 70001  
(504) 455-0341

## Graphic Expressions

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(201) 661-0408

## Graphically Speaking

2574 PGA Blvd., Ste. 107  
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FAX (503) 657-3474

## Great Valley Products

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FAX (215) 337-9922

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FAX (501) 321-1429

## Gulfgate Technologies

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Sarasota, FL 34231  
(813) 378-5477

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Charleston, SC 29413-0609  
(803) 881-7518  
(803) 881-7523 BBS

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Place, Culver City, CA 90230  
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FAX (800) 235-0256

## HarmonySoft

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Givatayim, Israel 53319  
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FAX (011) 972-337-3846

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Vancouver, WA 98661  
(206) 693-7443

## HC Software Australia

GPO Box 2204  
Adelaide, South Australia,  
Australia 5001  
(011) 618-262-4461  
FAX (011) 618-262-4461

## Heifner Communications, Inc.

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Columbia, MO 65202  
(314) 445-6163  
FAX (314) 445-0757

## HelpDisk Inc

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Ste. 56-360, Jupiter, FL 33458  
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(407) 798-8865  
FAX (407) 575-5898

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Roswell, GA 30076  
(404) 998-7776

## Hilton Android

35 Esplanade  
Irvine, CA 92715  
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FAX (714) 786-6062

## Hokianga Software

P.O. Box 67  
Rawene, Hokianga, Northland,  
New Zealand 0473  
(011) 649-405-7761  
FAX (011) 649-405-7761

## Hollyware Entertainment

13464 Washington Blvd.  
Marina Del Rey, CA 90291  
(310) 822-9200  
FAX (310) 390-0457

## Hologramophone Research

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Box 4400, Redondo Beach, CA  
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FAX (310) 542-9998

## Holosoftware Technologies

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(619) 747-0663

## Hutchinson Companies

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Houston, TX 77037-3801  
(713) 448-6143  
FAX (713) 448-5431

## HyperMedia Concepts, Inc.

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Racine, WI 53406  
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FAX (414) 632-3983

## I-DEN Videotronics Corporation

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(619) 492-9239  
FAX (619) 279-2569

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Rockford, IL 61101-1437  
(800) 373-7700  
(815) 968-2228  
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## Icom Simulations

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Wheeling, IL 60090  
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FAX (708) 459-7456

## IDG Communications

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FAX (603) 924-4066

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93558 Montreuil-Cedex, France  
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## Imaging That!

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Dallas, TX 75231  
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FAX (214) 340-8514

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Los Altos, CA 94024-5809  
(415) 968-0813

## Infinite Solutions

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240  
Beaverton, OR 97007  
(503) 641-2734

## Infocom

Division of Activision  
11440 San Vicente Blvd., Ste 300  
Los Angeles, CA 90049  
(310) 207-4500  
FAX (310) 820-6131

## Inkwell Systems

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FAX (619) 429-6093

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Timonium, MD 21093  
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FAX (410) 560-2436

## InnoVision Technology

1933 Davis St., Ste 238, San  
Leandro, CA 94577  
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FAX (510) 638-6453

## InSync

410 Maple Ave.  
Westbury, NY 11590  
(516) 574-0225

## Integral Software

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Louisville, KY 40222  
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## Integral Systems

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Dayton, OH 45431  
(513) 237-8290

## Intellectual Software/Div. of

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Fairfield, CT 06430  
(800) 232-2224  
(203) 335-0906  
FAX (203) 336-2481

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FAX (603) 898-3606

## Interactive Softworks

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Carlsbad, CA 92008  
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FAX (619) 729-5127

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FAX (714) 898-0858

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(319) 323-0407

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FAX (713) 946-8143

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## ISOM Software

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(703) 849-1838

## I-Koen Design

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Equipment, P.O. Box 473  
Sundre, Alberta,  
Canada T0M 1X0  
(403) 638-3949

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## Jeriko

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75002 Paris, France

## Jet Technology

16 Pembroke Road  
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(617) 239-8383

## J-Jc

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Bucks, HP11 1UF England  
011-44-494-883-347

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7200 Hemlock Lane  
Maple Grove, MN 55369  
(612) 424-5464

## JMJ Enterprises

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Lake Forest, CA 92630  
(714) 472-4409

## John I:1 Graphics

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Bellflower, CA 90706

## John Wiley & Sons

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FAX (908) 302-2300

## Jonathan Potter

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Australia

## Joyce I. Peck

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BC, Canada V0R 2T0  
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## JVC Professional Products Co.

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## Kalamazoo Progresantaro

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## Kara Computer Graphics

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Marina Del Rey, CA 90291  
(310) 578-9177

## KarmaSoft

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Golden, CO 80402-1034  
(303) 490-2939  
(303) 277-1241

## KBI, Systems

177 Mill Lane  
Mountainside, NJ 07092  
(800) 524-0610  
(908) 654-3600  
FAX (908) 654-9273

## KFS Software, Inc.

P.O. Box 897  
Corning, CA 96021  
(916) 824-2944

## Kinetic Designs

P.O. Box 1646  
Orange Park, FL 32067-1646

## King Publishing

1200 Broadway #226  
Austin, TX 78704  
(512) 448-2414

## Kline-Tronics

10 Carlisle Ct.  
York, PA 17404  
(717) 764-4205

## KludgeCode Software

P.O. Box 1163  
Holland, MI 49422-1163  
(616) 786-0740  
(616) 786-0746 BBS

# Vendor Information

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**Merit Software, Inc.**  
13635 Gamma Road  
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FAX (214) 385-8205

**Merlin's Software**  
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S.E., 1441 E. Fletcher Ave.,  
Tampa, FL 33612  
(813) 977-6511  
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**Metadigm, Inc.**  
19762 MacArthur Blvd. Ste. 300  
Irvine, CA 92715  
(949) 955-2555

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FAX (302) 454-1403

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FAX (312) 245-0149

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(313) 654-8402

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(407) 790-0770  
FAX (407) 790-1341

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**MicroBotics, Inc.**  
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FAX (302) 454-1403

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FAX (508) 694-9980

**MicroWay**  
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FAX (508) 746-4678

**Midwest Desktop**  
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Green Bay, WI 54303-1146  
(414) 434-9779

**Migraph, Inc.**  
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**Mimetics Corporation**  
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95015 (408) 741-0117

**Mindcraft**  
2341 205th St., Ste. 201  
Torrance, CA 90501  
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**MindScape/A Software**  
Toolworks company, 60 Leveroni  
Court, Novato, CA 94949  
(415) 883-3000

**Mirror Image Productions**  
30 Aurora Court Ste. 1209  
Scarborough Ontario,  
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(416) 495-7469  
FAX (416) 492-4030

**MirrorSoft**  
Irwin House, 118 Southwark St.  
London, England SE1 0SW

**MJ Systems**  
1222 Brookwood Road Dept.10A  
Madison, WI 53711-3118  
(800) 448-4564  
(608) 274-8477

**Moonlight Development**  
329 Shoreline Place  
Decatur, IL 62521

**Motion Blur Publishing**  
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**Mr. Hardware**  
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(516) 234-8110  
(516) 234-6046 BBS

**Mr. Horan's Computer Lab**  
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Louisville, KY 40243  
(502) 244-9595  
(800) 274-8446  
FAX (502) 244-9510

**Mullen Graphics**  
518 Roycroft Avenue  
Long Beach, CA 90814  
(213) 434-0115

**Multimedia Corporation**  
109X Regents Park Road  
London, England NW1 8UR  
(011) 4471-722-7595  
FAX (011) 4471-722-7027

**Myriad Visual Adventures**  
1219 N.W. 79th Street  
Oklahoma City, OK 73114  
(405) 842-0818

**Mystic Software**  
706 Richards Drive  
Mountain Grove, MO 65711  
(417) 926-3266

**N.E.S. Corp.**  
4660 SW Flower Place  
Portland, OR 97221  
(503) 246-9311

**National Diagnostic Imaging**  
P.O. Box 5501  
Vienna, WV 26105  
(304) 295-8922  
FAX (304) 428-6214

**Natural Graphics**  
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Rocklin, CA 95677  
(916) 624-1436  
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**NEC Technologies, Inc.**  
Professional Systems Division  
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(800) 562-5200  
FAX (708) 860-5812

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FAX (916) 972-9960

◆ **Neon Tetra Productions**  
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National Park, AR 71902  
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**Network Technologies Inc.**  
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Chagrin Falls, OH 44022  
(800) RGB-TECH  
(216) 543-1646  
FAX (216) 543-5423

**Neuralink**  
P.O. Box 16311  
Lubbock, TX 79490  
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FAX (806) 797-9046

**New Horizons Software, Inc.**  
P.O. Box 14260  
Austin, TX 78746  
(512) 328-6650  
FAX (512) 328-1925

**New Sound Music**  
PO Box 37363, Oak Park, MI  
48237 (313) 355-3643

**New World Computing Inc.**  
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Woodland Hills, CA 91364  
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(818) 999-0607  
FAX (818) 593-3455

**NewTek**  
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(800) 843-8934  
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22104 66th Avenue West  
Mountlake Terrace, WA 98043  
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(011) 4422-386-2125  
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**Nodette Enterprises Pty., Ltd.**  
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**Norris Software**  
3208 West Lake St. Suite #65  
Minneapolis, MN 55416  
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**Nucleus Electronics, Inc.**  
10 Cross Ave., P.O. Box 1025  
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Grove, IL 60515-1263  
(708) 971-2337

**Ocean Software Ltd./Dist. by**  
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CA 95131 (800) 245-4525  
(408) 954-0201  
FAX (408) 954-0243

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311 West 43rd St., Ste. 904  
New York, NY 10036  
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FAX (212) 262-4081

**Odyssey Software**  
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(800) 323-9421

**Omicron Video**  
12181 Lassen Street Unit H  
Chatsworth, CA 91311  
(818) 700-0742  
FAX (818) 700-0313

**Omnitrend Software, Inc.**  
15 Winchester Court  
Farmington, CT 06032-3423  
(203) 678-7679  
FAX (203) 678-7679

**On-Line Entertainment**  
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53217 (414) 332-1818

**Optical Coating Laboratory Inc**  
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Santa Rosa, CA 95407-7397 (800)  
545-OCL1 (6254)

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Lutterworth, Leicestershire,  
England LE17 6BA  
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**WordPerfect Corporation**

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## 300 Fonts

Shareware. Adobe Type 1 fonts for PageStream and Compugraphic fonts for Workbench 2.0. \$69.95. 80 Track Software, PO Box 309, Oceanside, NY 11572 (516) 678-9631

## Amiga Users By The Lake

This popular TV show, seen in the Chicago area, is now available for everyone. Features Amiga users showcasing video, graphics, animation, publishing, and music applications. Other popular segments include *The Graphics Gallery*, *What's New, Dr. Duane* (shares Amiga tips and tricks), and *The Developer's Spotlight*. Show is distributed on VHS format; available individually or via monthly subscription. Other formats available. \$10. Micro Ed Enterprises, 444 N. Orleans, Suite 250, Chicago, IL, 60610 (312) 245-0066

## AMOS NTSC Club PD Library

Provides AMOS programs and other programs for the AMOS language. We carry both European and our own American AMOS disks. NTSC and PAL. Latest versions of AMOS available for minimal fee. Send SASE for catalog. Directly affiliated with AMOS NTSC Club Newsletter. \$3 per disk. AMOS NTSC Club PD Library, 201-19 Tonelle Ave, Jersey City, NJ, 07306 BBS (201) 217-4190, 300-2400 baud

## AsimCDFIS

This CD-ROM FileSystem brings ISO9600, HighSierra, and Macintosh HFS CD-ROM compatibility to the Amiga user. Can read virtually all ISO/HighSierra formatted CD-Roms, including those with nonstandard block sizes. Any HFS CD-ROM, including ISO/HFS is also readable. Works well with Commodore CDTV discs. For a number of CD-ROM drives and any Commodore SCSI-Host standard controller. Package includes AsimTunes, an intuition-based CD audio controller, and FishMarket, a CD-ROM filled with PD Fred Fish disks 1-630. Under \$80. Asimware Innovations, 101 Country Club Dr, Hamilton, Ontario, L8K 5W4 Canada (416) 578-4916

## Corporation

It's got everything—mapping, object manipulation, damage control, security problems, combat, and Backpack Computer and Smart Card. You'll be locked in combat as you struggle to expose the Universal Cybernetics Corporation in its bid to develop a mutant robot for military purposes. As a ZODIAC special investigator, can you save man from his untimely destruction in the 21st century? Virgin Games, 18061 Fitch Ave, Irvine, CA 92714 (714) 833-8710

## Easy AMOS

Have you ever dreamed of making your Amiga really work for you? Now you can with simplified, ultra-friendly version of AMOS Basic. Easy AMOS will show you how to produce graphics, animate colorful objects, scroll large text, add music, create games, and more. Easy AMOS is packed with ready-to-run programs carefully and simply explained. Programming course of 20 lessons consists of two disks and user guide. Requires 1MB or more and three blank disks. £34.99. EuroPress Software, Europa House, Adlington Park, Macclesfield SK10 4NP 011-4462-585-9333

## EPS Clip Art

Shareware. Eight compressed disks that contain as much as 20 regular disks. Hundreds of high-quality clip art items for desktop publishing. \$29.99. 80 Track Software, PO Box 309, Oceanside, NY 11572 (516) 678-9631

## Four Crystals of Trazere

The land of Trazere has always been one of enchantment. That enchantment has taken a terrible turn; the Trazerians have been transformed into horrible mutants, bent on wreaking havoc. As your band of four arrives in this normally tranquil countryside, the transfiguration is immediately evident. But how did it happen, and can it be reversed? Four crystals hold the key, but it's up to you to determine how to use them. A500 or higher, 512K, Workbench 1.2 or higher. Software Toolworks, 160 Leveroni Court, Novato, CA, 94949 (415) 883-3000

## Full 24

Professional scanned 24-bit pictures for people who work with desktop video, 3-D rendering/animations, and graphic design. Great for Video Toaster and Imagine owners who need a background and/or texture ready to use. Five different sets of 10 pictures/brushes each. Backgrounds #1: \$75, Textures #1: \$75, Brush Maps #1: \$75, Space/Stars Scenes #1: \$75, Bump Map #1: \$40, Complete set: \$340, Demo kit: \$15. AirStream Graphics, P.O. Box 291090, San Antonio, TX, 78229-1690 (512) 436-1354

## Greens

The definitive golf simulation. Accurately recreates fairways and greens of every hole using stunning 3-D technology that lets you travel anywhere around the course. You can even follow the ball as it flies through the air and watch from numerous selectable TV viewing positions. Accurately modelled club and ball dynamics, choice of club selection, ball and foot positions, swing, varying course conditions. It can actually improve your own golf game! MicroProse Software, 180 Lakefront Drive, Hunt Valley, MD, 21030-2245 (410) 771-1151

## Hill Street Blues

Re-created simulated city of Hill Street has intelligent traffic system with smooth flow of up to 400 vehicles. Over 400 computer-controlled pedestrians, including criminals and lowlives. As Captain Frank Furillo you deploy police officers, increase the crime detection rate, and reduce the number of crimes committed, or else the mayor will have no choice but to fire you. And remember, let's be careful out there! \$39.95. DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL, 33543 (813) 973-7733

## Music Mods

Choice of three packages of six disks each of music modules that have been produced on Amigas both in U.S. and abroad. Includes choice of two players: Module Master or Intuitracker. \$20 each package. 80 Track Software, PO Box 309, Oceanside, NY 11572 (516) 678-9631

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Nine compressed disks containing hundreds of pieces of clip art that are directly usable by Page Stream. Many, many categories. With use of Art Department Professional 2.0, can be converted to almost any format. \$34.99. 80 Track Software, PO Box 309, Oceanside, NY 11572 (516) 678-9631

## PLAYFIELD!

This Journal of Creative Amiga Programming with AMOS provides well-documented, timely code and articles geared specifically toward AMOS. Covers all aspects of programming with AMOS, including games, utilities, music, graphics, and more. Subscription price \$20 yearly for six issues, \$1 for sample issue. PLAYFIELD!, 5180 NE 6th Ave, Suite 624, Fort Lauderdale, FL, 33334 (305) 491-9770

## Quma Version Control System v1.1

New features include support for file branching and merging, improved support for binary files, new keyword support, qident utility, and qedit utility, completely user-configurable keywords and command lines, and many other improvements suggested by users of version 1.0. Now QVCS is fully competitive with the leading tools available on DOS platforms. AmigaDOS 1.3/2.0, 1MB, hard disk recommended. Available June 30, 1992. \$129. Quma Software, 20 Warren Manor Court, Cockeysville, MD, 21030 (410) 666-5922

## Scriptgen

ARexx script generator lets you create Video Toaster Slideshows for your 1.0 and 2.0 Video Toaster. Works quickly and easily using hotkeys. Trim and Expand function edits the length of your script evenly. Allows use of your CG DVEs. Change from 1.0 to 2.0 DVEs by changing projects, change book, auto fades, backgrounds, and GPI triggering via joystick or mouse to make transitions at exactly the time you wish. No need to learn command order; Scriptgen already knows it. Just choose frame pictures and CG pages and let Scriptgen put them together for you. Scripts may be edited with your word processor. Playback is even easier than creating. Troy Soft, 240 West Shores Rd, Orange Park, FL, 32073-8133 (904) 264-TROY

## Toaster to Tape

Render and transfer your Video Toaster images to professional video tape. Lightwave 3-D, Toaster Paint, and other Amiga images such as Deluxe Paint III. A 50MHz 68030 system running at 12 MIPS is used to render your images in the highest quality to a 210MB hard drive. Then a Personal Single Frame Controller transfers the images at a professional video post-production facility to your choice of: 3/4 inch (SP or Reg), Betacam (SP or Reg), 1 inch or D2. Quick turnaround and fast service. The Biographix Corporation, 1000 Dundas Street East, Ste 6, Toronto, Canada, M4M 1R7 (416) 465-2056

## Transporter

Advanced, next generation animation control program designed to meet ever-increasing needs of the professional Amiga animator. A must for those requiring more flexibility for single frame to tape configurations. Set up loops, reversals, and frame repeats quickly and easily. Has time code display and insert editing capability, many more features. Works with most display devices and controllers. Merlin Software product. \$249.95. For more information, call: Amazing Computers, 1441 E. Fletcher Ave, Tampa, FL, 33612 (813) 977-6511

## VAXL Video for CDTV

In addition to all of the normal services Optonica offers to Amiga and CDTV multimedia developers, they can now offer partial screen digital video production for use in your CDTV titles. Video service features the ability to have a full HAM backdrop to your quarter screen motion video and interleaved lip synched audio. Video is taken frame by frame from a professional video deck via unique CDTV video production system developed in house. You supply video (VHS, SVHS, 8mm, Hi8, Lowband, Hiband, Hiband SP, and Laserdisk formats supported) and your backdrop picture if required. Your original video is returned with digital CDTV version and free playback code for you to link into your application. You also receive free VAXL video playback simulator to let you see new video played from hard disk exactly as it will appear in your CDTV application. Optonica, Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England, LE17 6BA, 011-44-455-558-282

## Video Music Box

Helps users with minimal musical knowledge compose original background music for multimedia. Basic instrumental parts for common musical styles are produced using prearranged patterns and chord progressions; 75 patterns and 50 chord progressions are included. Variety is provided by randomization, a graphic note editor with tools for addition of notes that fit the chord progression, and ability to create and save new chord types, progressions, and patterns. Music tracks having specific time lengths can be directly produced. Music can be previewed over MIDI or internal audio and saved as MIDI or IFF SMUS files. \$109 plus \$6 shipping/handling. Digital Expressions, W6400 Firelane 8, Menasha, WI, 54952 (414) 733-6863

## World Circuit

Fend off challengers in the Phoenix Grand Prix. Overtake rivals on the streets of Monaco. Execute a savage hairpin turn on the Suzuka circuit. World Circuit offers you all 16 of the Grand Prix's demanding racetracks in accurately mapped 3-D representations with variable weather and track conditions. Authentic Formula One handling and performance, dramatic slipstreaming effects, 25 independent computer-controlled drivers, and much more. MicroProse Software, 180 Lakefront Drive, Hunt Valley, MD, 21030-2245 (410) 771-1151

## CORRECTIONS

In the last issue we mistakenly listed Rune Site, a fortune telling software program, as a Krueger Company product. Rune Site should have been listed as a product of BRESC Software.

The products APL0T2D (p. 16) and CATFISH (p. 105) have mistakenly not appeared in the Product Index by Product listing.

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